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OM protein - protein search, using sw model

Run on: July 22, 2004, 13:45:03 ; Search time 19 Seconds  
(without alignments)  
510.825 Million cell updates/sec

Title: US-09-527-376-2

Perfect score: 981  
Sequence: 1 MTPASCAFPQFPQPSVSGL.....SPVGMIPDIYKEXRLMPL 188

Scoring table: BIOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA: \*  
1: /cgn2\_6/ptodata/2/iaa/5A\_COMB.dep: \*  
2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.dep: \*  
3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.dep: \*  
4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.dep: \*  
5: /cgn2\_6/ptodata/2/iaa/PCTUS\_COMB.dep: \*  
6: /cgn2\_6/ptodata/2/iaa/backfilest.dep: \*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	511	52.1	198	3	US-09-045-973-5 Sequence 5, Appli
2	275	28.0	226	3	US-09-045-973-8 Sequence 8, Appli
3	252	25.7	367	2	US-08-530-290-24 Sequence 24, Appli
4	252	25.7	367	2	US-08-990-379-6 Sequence 6, Appli
5	246	25.1	169	4	US-09-544-716-16 Sequence 16, Appli
6	246	25.1	169	4	US-09-557-921-17 Sequence 17, Appli
7	246	25.1	169	4	US-09-564-357-19 Sequence 19, Appli
8	246	25.1	169	4	US-09-619-380-18 Sequence 18, Appli
9	246	25.1	314	4	US-08-371-6718-11 Sequence 11, Appli
10	240	24.5	394	2	US-08-530-290-23 Sequence 23, Appli
11	240	24.5	394	4	US-09-702-705-805 Sequence 805, App
12	240	24.5	394	4	US-09-736-457-805 Sequence 805, App
13	240	24.5	394	4	US-09-614-1248-805 Sequence 805, App
14	240	24.5	394	4	US-09-671-325-805 Sequence 805, App
15	240	24.5	394	4	US-09-589-184-805 Sequence 805, App
16	238	24.3	302	4	US-09-702-705-806 Sequence 806, App
17	238	24.3	302	4	US-09-736-457-806 Sequence 806, App
18	238	24.3	302	4	US-09-614-1248-806 Sequence 806, App
19	238	24.3	302	4	US-09-671-325-806 Sequence 806, App
20	238	24.3	394	4	US-09-589-184-806 Sequence 806, App
21	238	24.3	394	4	US-09-702-705-827 Sequence 827, App
22	238	24.3	394	4	US-09-736-457-827 Sequence 827, App
23	238	24.3	394	4	US-09-614-1248-827 Sequence 827, App
24	238	24.3	394	4	US-09-671-325-827 Sequence 827, App
25	236	24.1	393	2	US-08-990-379-4 Sequence 4, Appli
26	236	24.1	393	2	US-08-990-379-4 Sequence 4, Appli
27	236	24.1	395	2	US-08-990-379-5 Sequence 5, Appli

28	227	23.1	169	4	US-09-544-716-17 Sequence 17, Appli
29	227	23.1	169	4	US-09-557-921-18 Sequence 18, Appli
30	227	23.1	169	4	US-09-564-357-20 Sequence 20, Appli
31	227	23.1	169	4	US-09-619-380-19 Sequence 19, Appli
32	222	22.6	176	4	US-09-704-139-2 Sequence 2, Appli
33	221	22.5	171	4	US-09-544-716-18 Sequence 18, Appli
34	221	22.5	171	4	US-09-557-921-19 Sequence 19, Appli
35	221	22.5	171	4	US-09-564-357-21 Sequence 21, Appli
36	221	22.5	171	4	US-09-619-380-20 Sequence 20, Appli
37	221	22.5	397	2	US-08-990-379-8 Sequence 8, Appli
38	220	22.4	173	4	US-09-704-139-4 Sequence 4, Appli
39	220	22.4	173	4	US-09-816-494-7 Sequence 7, Appli
40	219.5	22.4	170	4	US-09-544-716-14 Sequence 14, Appli
41	219.5	22.4	170	4	US-09-557-921-15 Sequence 15, Appli
42	219.5	22.4	170	4	US-09-564-357-17 Sequence 17, Appli
43	219.5	22.4	170	4	US-09-619-380-16 Sequence 16, Appli
44	216	22.0	117	1	US-07-988-273-4 Sequence 4, Appli
45	216	22.0	117	5	PCT-US93-12019-4 Sequence 4, Appli

## ALIGNMENTS

RESULT 1  
US-09-045-973-5

Sequence 5, Application US/09045973

Patent No. 6163767

GENERAL INFORMATION:

APPLICANT: Lal, Preeti

APPLICANT: Yue, Henry

APPLICANT: Cooley, Neil C.

APPLICANT: Guegler, Karl J.

APPLICANT: Baughn, Mariah

TITLE OF INVENTION: PROTEIN PHOSPHATASE RELATED MOLECULES

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: Incyte Pharmaceuticals, Inc.

STREET: 3174 Porter Drive

CITY: Palo Alto

STATE: California

COUNTRY: USA

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSeq for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/045,973

FILING DATE: Filed Herewith

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J.

REGISTRATION NUMBER: 36,749

REFERENCE/DOCKET NUMBER: PF-0491 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (650) 855-0555

TELEFAX: (650) 845-4166

TELEX:

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 198 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: BRSTN016

CLONE: 3041794

US-09-045-973-5

[illegible][illegible]

Db 163 SCSTPLY-----DQGPVEILPFLYLSGAYHASKRMDLALGITALINVSANCPNHFEGHY 218  
Qy 65 QYMOVPAADSPNSRLCDFPFIADHISVEMKQRTLLHCAAGVSRSAALCLATYLMKTHA 124  
Db 219 QYKSIPEVDNKKADISSWFNEAIDFIDSIKNAGGRVVFHCQAGISRATTCLAYLMKTRN 278  
Qy 125 MSLLDAHTWTKSCRPIIRPNSGFWEOLIHVEFOLFGKNTVMVSSPVGMIPD 176  
Db 279 VKLDAFEFVKQRRSIIISPNFSFWGQLQFESQVLAHPCSAEAGSPMAVLD 330

## RESULT 4

US-08-990-379-6  
; Sequence 6, Application US/08990379  
; Patent No. 598188  
; GENERAL INFORMATION:  
; APPLICANT: Stock, Phillip J  
; APPLICANT: Mista-Press, Anita  
; TITLE OF INVENTION: Mitogen Activated Protein Kinase Phosphatase cDNAs and  
; TITLE OF INVENTION: Their Biologically Active Expression Products  
; FILE REFERENCE: 4104-000322USA  
; CURRENT APPLICATION NUMBER: US/08/990.379  
; CURRENT FILING DATE: 1997-12-15  
; EARLIER APPLICATION NUMBER: PCT/US96/10402  
; EARLIER FILING DATE: 1996-06-14  
; EARLIER APPLICATION NUMBER: 60/000.263  
; EARLIER FILING DATE: 1995-06-16  
; NUMBER OF SEQ ID NOS: 19  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 6  
; LENGTH: 367  
; TYPE: PRT  
; ORGANISM: Mus sp.  
US-08-990-379-6

Query Match 25.1%; Score 252; DB 2; Length 367;  
Best Local Similarity 34.3%; Pred. No. 2,3e-22;  
Matches 59; Conservative 29; Mismatches 80; Indels 4; Gaps 1;

Qy 5 SCAPVQFROPSPVSGLSQITKSLIYSNGVAANKMLMSNOITWVINSVEVNTLYEDI 64  
Db 163 SCSTPLY-----DQGPVEILPFLYLSGAYHASKRMDLALGITALINVSANCPNHFEGHY 218  
Qy 65 QYMOVPAADSPNSRLCDFPFIADHISVEMKQRTLLHCAAGVSRSAALCLATYLMKTHA 124  
Db 219 QYKSIPEVDNKKADISSWFNEAIDFIDSIKNAGGRVVFHCQAGISRATTCLAYLMKTRN 278  
Qy 125 MSLLDAHTWTKSCRPIIRPNSGFWEOLIHVEFOLFGKNTVMVSSPVGMIPD 176  
Db 279 VKLDAFEFVKQRRSIIISPNFSFWGQLQFESQVLAHPCSAEAGSPMAVLD 330

## RESULT 5

US-09-544-716-16  
; Sequence 16, Application US/09544716  
; Patent No. 6492157  
; GENERAL INFORMATION:  
; APPLICANT: Lucche, Ralf M.  
; APPLICANT: Wei, Bo  
; TITLE OF INVENTION: DSP-9 DUAL-SPECIFICITY PHOSPHATASE  
; FILE REFERENCE: 200125.415  
; CURRENT APPLICATION NUMBER: US/09/544.716  
; CURRENT FILING DATE: 2000-04-10  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 16  
; LENGTH: 169  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-544-716-16

Query Match 25.1%; Score 246; DB 4; Length 169;  
Best Local Similarity 36.4%; Pred. No. 3.9e-22;  
Matches 56; Conservative 27; Mismatches 80; Indels 4; Gaps 1;

Matches 56; Conservative 27; Mismatches 67; Indels 4; Gaps 1;

Qy 5 SCAPVQFROPSPVSGLSQITKSLIYSNGVAANKMLMSNOITWVINSVEVNTLYEDI 64  
Db 16 SCSTPLY-----DQGPVEILPFLYLSGAYHASKRMDLALGITALINVSANCPNHFEGHY 71  
Qy 65 QYMOVPAADSPNSRLCDFPFIADHISVEMKQRTLLHCAAGVSRSAALCLATYLMKTHA 124  
Db 72 QYKSIPEVDNKKADISSWFNEAIDFIDSIKNAGGRVVFHCQAGISRATTCLAYLMKTRN 131  
Qy 125 MSLLDAHTWTKSCRPIIRPNSGFWEOLIHVEFOLFGKNTVMVSSPVGMIPD 176  
Db 132 VKLDAFEFVKQRRSIIISPNFSFWGQLQFESQV 165

## RESULT 6

US-09-557-921-17  
; Sequence 17, Application US/09557921  
; Patent No. 6551810  
; GENERAL INFORMATION:  
; APPLICANT: Lucche, Ralf M.  
; APPLICANT: Wei, Bo  
; TITLE OF INVENTION: DSP-10 DUAL-SPECIFICITY PHOSPHATASE  
; FILE REFERENCE: 200125.416  
; CURRENT APPLICATION NUMBER: US/09/557.921  
; CURRENT FILING DATE: 2000-04-20  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 17  
; LENGTH: 169  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-557-921-17

Query Match 25.1%; Score 246; DB 4; Length 169;  
Best Local Similarity 36.4%; Pred. No. 3.9e-22;  
Matches 56; Conservative 27; Mismatches 67; Indels 4; Gaps 1;

Qy 5 SCAPVQFROPSPVSGLSQITKSLIYSNGVAANKMLMSNOITWVINSVEVNTLYEDI 64  
Db 16 SCSTPLY-----DQGPVEILPFLYLSGAYHASKRMDLALGITALINVSANCPNHFEGHY 71  
Qy 65 QYMOVPAADSPNSRLCDFPFIADHISVEMKQRTLLHCAAGVSRSAALCLATYLMKTHA 124  
Db 72 QYKSIPEVDNKKADISSWFNEAIDFIDSIKNAGGRVVFHCQAGISRATTCLAYLMKTRN 131  
Qy 125 MSLLDAHTWTKSCRPIIRPNSGFWEOLIHVEFOLFGKNTVMVSSPVGMIPD 158  
Db 132 VKLDAFEFVKQRRSIIISPNFSFWGQLQFESQV 165

## RESULT 7

US-09-564-357-19  
; Sequence 19, Application US/09564357  
; Patent No. 6645753  
; GENERAL INFORMATION:  
; APPLICANT: Lucche, Ralf M.  
; APPLICANT: Wei, Bo  
; TITLE OF INVENTION: DSP-5 DUAL-SPECIFICITY PHOSPHATASE  
; FILE REFERENCE: 200125.413  
; CURRENT APPLICATION NUMBER: US/09/564.357  
; CURRENT FILING DATE: 2000-04-24  
; NUMBER OF SEQ ID NOS: 22  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 19  
; LENGTH: 169  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-564-357-19

Query Match 25.1%; Score 246; DB 4; Length 169;  
Best Local Similarity 36.4%; Pred. No. 3.9e-22;  
Matches 56; Conservative 27; Mismatches 67; Indels 4; Gaps 1;



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QY 5 SCAFPVQFRQPSVSGLSQITKSLYISNGVANNKMLSSNOITWVINSVEVNTLYEDI 64
Db 185 SCGTPPLHDQ---GPEVILPFLYLSAYHAARDMDLALGITALLVSSDCPNHFGHY 240
QY 65 QYQVQPVADSPNSRLCDFPDIADHISVEMKQGRITLHCAGVSRSAALCLAYLMKXHA 124
Db 241 QYKCIPIVEDNHKADISSWFMEALIEYIDAVDCRGRLVHCOAGISRSATTCIAYLMKKR 300
QY 125 MSLLDAHTWTKSCRPITRPNSGFWEOLIHFEOLFQNTVMVSSPVG 172
Db 301 VRLEAEFVKORRSIISPNFSFQGLOPESQVLTATSCAAEAASPSG 348

RESULT 11
US-09-702-705-805
; Sequence 805, Application US/09702705
; Patent No. 6504010
; GENERAL INFORMATION:
; APPLICANT: Mang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darlick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C14
; CURRENT APPLICATION NUMBER: US/09/702,705
; CURRENT FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 1833
; SOFTWARE: FastSeq for windows Version 3.0
; SEQ ID NO 805
; LENGTH: 394
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-702-705-805

Query Match 24.5%; Score 240; DB 4; Length 394;
Best Local Similarity 33.9%; Pred. No. 7.8e-21;
Matches 57; Conservative 32; Mismatches 75; Indels 4; Gaps 1;

QY 5 SCAFPVQFRQPSVSGLSQITKSLYISNGVANNKMLSSNOITWVINSVEVNTLYEDI 64
Db 185 SCGTPPLHDQ---GPEVILPFLYLSAYHAARDMDLALGITALLVSSDCPNHFGHY 240
QY 65 QYQVQPVADSPNSRLCDFPDIADHISVEMKQGRITLHCAGVSRSAALCLAYLMKXHA 124
Db 241 QYKCIPIVEDNHKADISSWFMEALIEYIDAVDCRGRLVHCOAGISRSATTCIAYLMKKR 300
QY 125 MSLLDAHTWTKSCRPITRPNSGFWEOLIHFEOLFQNTVMVSSPVG 172
Db 301 VRLEAEFVKORRSIISPNFSFQGLOPESQVLTATSCAAEAASPSG 348

RESULT 12
US-09-736-457-805
; Sequence 805, Application US/09736457
; Patent No. 6509448
; GENERAL INFORMATION:
; APPLICANT: Mang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darlick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Mang, Aijun
```

```
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSeq for windows Version 3.0
; SEQ ID NO 805
; LENGTH: 394
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-736-457-805

Query Match 24.5%; Score 240; DB 4; Length 394;
Best Local Similarity 33.9%; Pred. No. 7.8e-21;
Matches 57; Conservative 32; Mismatches 75; Indels 4; Gaps 1;

QY 5 SCAFPVQFRQPSVSGLSQITKSLYISNGVANNKMLSSNOITWVINSVEVNTLYEDI 64
Db 185 SCGTPPLHDQ---GPEVILPFLYLSAYHAARDMDLALGITALLVSSDCPNHFGHY 240
QY 65 QYQVQPVADSPNSRLCDFPDIADHISVEMKQGRITLHCAGVSRSAALCLAYLMKXHA 124
Db 241 QYKCIPIVEDNHKADISSWFMEALIEYIDAVDCRGRLVHCOAGISRSATTCIAYLMKKR 300
QY 125 MSLLDAHTWTKSCRPITRPNSGFWEOLIHFEOLFQNTVMVSSPVG 172
Db 301 VRLEAEFVKORRSIISPNFSFQGLOPESQVLTATSCAAEAASPSG 348

RESULT 13
US-09-614-124B-805
; Sequence 805, Application US/09614124B
; Patent No. 6630574
; GENERAL INFORMATION:
; APPLICANT: Mang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darlick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.478C9
; CURRENT APPLICATION NUMBER: US/09/614,124B
; CURRENT FILING DATE: 2001-07-11
; NUMBER OF SEQ ID NOS: 1668
; SOFTWARE: FastSeq for windows Version 3.0
; SEQ ID NO 805
; LENGTH: 394
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-614-124B-805

Query Match 24.5%; Score 240; DB 4; Length 394;
Best Local Similarity 33.9%; Pred. No. 7.8e-21;
Matches 57; Conservative 32; Mismatches 75; Indels 4; Gaps 1;
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Db	501	GTGAGCCTCCAGTTTCAGTTCCGGACACCCCTCAAGTCAGCGGCGCTTCGGAGATTACCA	560
QY	143	AAGCCTGATATTCAGCAATGGTGTGGCGCCGAACAACAAGCTCATGCTGTAGCAACA	202
Db	561	AAGCCTGATATTCAGCAATGGTGTGGCGCCGAACAACAAGCTCATGCTGTAGCAACA	620
QY	203	GATCACCATGGTCATCAATGTCTCAGTGGAGGTAGTAAACCTTGTATGAGATATCCA	262
Db	621	GATCACCATGGTCATCAATGTCTCAGTGGAGGTAGTAAACCTTGTATGAGATATCCA	680
QY	263	GTAACATGAGGNAACCTGTGGCTGAATCCCGCTAACTCAAGTCCGTGTGACTTCTTTGACCC	322
Db	681	GTAACATGAGGNAACCTGTGGCTGAATCCCGCTAACTCAAGTCCGTGTGACTTCTTTGACCC	740
QY	323	TATTGCTGACCATATCCAAGCGTGGAGATGAAGCAGGCGGTACTTTTGCTGCACTGHC	382
Db	741	TATTGCTGACCATATCCAAGCGTGGAGATGAAGCAGGCGGTACTTTTGCTGCACTGHC	800
QY	383	TGCTGTGTGTAGCGCGCTCAGCTGCCCTGTGCTCGCTTAACCTCATGAAGTACACAGCCAT	442
Db	801	TGCTGTGTGTAGCGCGCTCAGCTGCCCTGTGCTCGCTTAACCTCATGAAGTACACAGCCAT	860
QY	443	GTCCCTGTGTGACCGCCACAGCTGGACCAAGCATGCGCGCCCATCATCCGACCCACAG	502
Db	861	GTCCCTGTGTGACCGCCACAGCTGGACCAAGCATGCGCGCCCATCATCCGACCCACAG	920
QY	503	CGGCTTTTGGGAGCAGCTCATCCACTATAGAGTCCAAATTGTTGGCAGAAACACTGTGCA	562
Db	921	CGGCTTTTGGGAGCAGCTCATCCACTATAGAGTCCAAATTGTTGGCAGAAACACTGTGCA	980
QY	563	CATGTCAGTTCCCAAGTGGGAATGATCCCTGACATCTATGAGAAAGAAATCCGTTGAT	622
Db	981	CATGTCAGTTCCCAAGTGGGAATGATCCCTGACATCTATGAGAAAGAAATCCGTTGAT	1040
QY	623	GATTCACAATGAGGACATCCCAACAGGCCCTCGCATTTGAGTCAGAGTACACATATATG	682
Db	1041	GATTCACAATGAGGACATCCCAACAGGCCCTCGCATTTGAGTCAGAGTACACATATATG	1100
QY	683	TTGATCTTTACCAAGATCCAAACTTGAACATCTCTATTGTTGATACAGAAAAAACA	742
Db	1101	TTGATCTTTACCAAGATCCAAACTTGAACATCTCTATTGTTGATACAGAAAAAACA	1166
QY	743	GATGATGCTTTTATGAGCAAAAAAGATTGCTGTAGCTTTTAACTTTAATATCCATT	802
Db	1161	GATGATGCTTTTATGAGCAAAAAAGATTGCTGTAGCTTTTAACTTTAATATCCATT	1220
QY	803	TTTTTTCAGATTAACATAATTGTAGAGAGG 834	
Db	1221	TTTTTTCAGATTAACATAATTGTAGAGAGG 1252	

RESULT 2  
 US-09-045-973-6  
 ; Sequence 6, Application US/09045973  
 ; Patent No. 6165767  
 ; GENERAL INFORMATION:  
 APPLICANT: Ial, Preeti  
 APPLICANT: Yue, Henry  
 APPLICANT: Corley, Neil C.  
 APPLICANT: Guegler, Karl J.  
 APPLICANT: Baughn, Mariah  
 TITLE OF INVENTION: PROTEIN PHOSPHATASE RELATED MOLECULES  
 NUMBER OF SEQUENCES: 9  
 -  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 STREET: 3174 Porter Drive  
 CITY: Palo Alto  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94304  
 COMPUTER READABLE FORM:

```

      MEDIUM TYPE: Diskette
      COMPUTER: IBM Compatible
      OPERATING SYSTEM: DOS
      SOFTWARE: FASTSEQ for Windows Version 2.0
      CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/09/045.973
      FILING DATE: Filed Herewith
      CLASSIFICATION:
      PRIOR APPLICATION DATA:
      APPLICATION NUMBER:
      FILING DATE:
      ATTORNEY/AGENT INFORMATION:
      NAME: Billings, Lucy J.
      REGISTRATION NUMBER: 36,749
      REFERENCE/DOCKET NUMBER: PF-0491 US
      TELECOMMUNICATION INFORMATION:
      TELEPHONE: (650) 855-0555
      TELEFAX: (650) 845-4166
      TELEX:
      INFORMATION FOR SEQ ID NO: 6:
      SEQUENCE CHARACTERISTICS:
      LENGTH: 1729 base pairs
      TYPE: nucleic acid
      STRANDEDNESS: single
      TOPOLOGY: linear
      IMMEDIATE SOURCE:
      LIBRARY: BRSTMOT16
      CLONE: 3041794
      US-09-045-973-6

Query Match      21.3%; Score 177.6; DB 3; Length 1729;
Best Local Similarity 58.8%; Pred. No. 2e-44;
Matches 306; Conservative 0; Mismatches 214; Indels 0; Gaps 0;

      121 GCGGCGCTTCGCAGATTAACCAAAAGCCGTATATCAGCAATGATGTGSCGCCCAACAACA 180
      Db 555 GAGGAGATGCTCAATCACTCCTCTCTATTCCTGGGAGAGGAGATGTGSCCTCCATC 624
      Qy 181 AGCTCAGTCTGTCTAGCAACCAAGATCACCATGTGTCATCATATGTCCTCACTGAGAGTAGTA 240
      Db 625 GGACACCTCCTCCAGGCTGTGGGATCACTGCATCTGATTTAATGTAACCATGAGATCCCTTA 684
      Qy 241 ACACCTGTATGAGGATATTCAGTATACATGACAGTAACTGTGTGGCTGATCCCTTAATCTAC 300
      Db 685 ATTTCAACTGGCCCCCAATTTGATGATTTAAAGTGCCTGTGGCTGACATGCGCGCATGCC 744
      Qy 301 GTCTCTGACCTCTTTGACCCCTATTGCTGACCAATATCCAGACGCTGGAGATGGAAGACAG 360
      Db 745 CCATTGACACTGACTTTTACACCGTGTGCTGACCAAGATCAACAGTGTGACGAGAAAGACG 804
      Qy 361 GCCGTACTTGTCTGACACTGTGCTGTGTGTGAGCCGCTCACTGACCTGCTGTGCTGCT 420
      Db 805 GGGCCACCTGTGTGACACTGTGCTGAGGGGATGAGCCGCTGACCAACGCTGTATCGCGT 864
      Qy 421 ACCTCATAGTACCAAGCCCATGTCCTGCTGACGCCCAACAGTGCACCAAGTCATGCC 480
      Db 865 ACCTGATGAATTCACCAACGCTGTGCTGCTGAGGCGCTAACATCGGTGTGAAGCCCGC 924
      Qy 481 GGGCCATATCCAGCCCAACAGCGGCTTTTGGAGACAGCTCATCCACTATAGTATCCAT 540
      Db 925 GACCTGTATACAGGCCCAACGCTGAGCTTCTGAGGCAACTATAGACTATACAGAGGCGCAGC 984
      Qy 541 TGTTTGGCAAGAACTGTGACATGTGCAATGCTCCCAAGTGGAGATATCCCTGACATCT 600
      Db 985 TCTTTGGAAATGCACAGTAAATGTGTAACAGACACCTTATGGCATAGTTCGCAAGCTCT 1044
      Qy 601 ATGAGAGGAAGTCCGTTTGTATGATTCATCTGTAGCCAT 640
      Db 1045 ATGAGAGGAAGTCCGCAACCTGATGCTTACTGGGGGAT 1084
  
```

RESULT 3  
US-09-371-671B-10



Sequence 10, Application US/09371671B  
Patent No. 6548743  
GENERAL INFORMATION:  
APPLICANT: Sheen, Jen  
APPLICANT: Chiu, Wan-Ling  
TITLE OF INVENTION: TRANSGENIC PLANTS EXPRESSING A  
FILE REFERENCE: 00786/370002  
CURRENT APPLICATION NUMBER: US/09/371,671B  
CURRENT FILING DATE: 1999-08-10  
PRIOR APPLICATION NUMBER: 60/155,934  
PRIOR FILING DATE: 1999-01-14  
PRIOR APPLICATION NUMBER: 60/095,938  
PRIOR FILING DATE: 1998-08-10  
NUMBER OF SEQ ID NOS: 11  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 10  
LENGTH: 944  
TYPE: DNA  
ORGANISM: Mus musculus  
US-09-371-671B-10

Query Match 10.6%; Score 88.8; DB 4; Length 944;  
Best Local Similarity 50.5%; Pred. No. 3.1e-17;  
Matches 216; Conservative 0; Mismatches 212; Indels 0; Gaps 0;

QY 121 GCGGCTCTCCGACATACCAAAAGCCTGTATATCAGCAATGTGTGCGCCGCAACA 180  
DB 517 GGGGCCCGAGTGAATCTGTCTTCTGTACCTGGGAGGAGCCTATACCGCTTCTCGGA 576  
QY 181 AGCTCATGCTGTAGCAACAGATACCATGTCATCATGTCTCAGTGGAGTATGA 240  
DB 577 AGATATGCTTGAAGCCCTTGGGACATACCGCTGATATACGCTCTCAGCAATTGTCTTA 636  
QY 241 ACACCTGTATAGAGATATCCAGTACATGAGTACCTGTGCTGACTCCCTAATCTAC 300  
DB 637 ACCACTTGAAGGTCATACAGTACAAAGCATCCCTGTGAGAGACAAACCAAGGAG 696  
QY 301 GTCCTGTGACTTCTTGAACCTATGTGTGACATATCAACAGGTGAATGAAGCAG 360  
DB 697 ACATACCTCTGTGTTCAACAGGCTATGACTTATGATCATCAAGATGCTGAG 756  
QY 361 GCGCTACTTGTCTGACTGTGCTGTGTGAGCGGCTGCGCTGCTGCTGCTGCT 420  
DB 757 GAGAGGTGTGTCTATTTGCGAGCGGCAATCTCCGGTCAACCAATCTGCTTGTCT 816  
QY 421 ACCTCATGAGATACACGCAATGCTCTGCTGAGCGCCACAGTGAACAGTCAATGCC 480  
DB 817 ACCTCATGAGAGTAAACGAGGTAAGCTGAGAGGCGCTTGAAGTTGTGAAGCAGGCG 876  
QY 481 GCGCCATCATCCGACCAACAGCGGCTTTGGAGCAGCTCATCATATGATTTCCAT 540  
DB 877 GGAATATCATCTCCCGAATCTTCAATGAGGCGAGCTGCTCAGTTTGAATGCCAAG 936  
QY 541 TGTTTGGC 548  
DB 937 TGCTAGCC 944

RESULT 4  
US-09-016-434-1291  
Sequence 1291, Application US/09016434  
Patent No. 6500938  
GENERAL INFORMATION:  
APPLICANT: Janice Au-Young  
APPLICANT: Jeffrey J. Seilhamer  
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING  
TITLE OF INVENTION: PATHWAY GENE EXPRESSION  
NUMBER OF SEQUENCES: 1490  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
STREET: 3174 PORTER DRIVE  
CITY: PALO ALTO

STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/016,434  
FILING DATE: HERewith  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Zeller, Karen J.  
REGISTRATION NUMBER: 37,071  
REFERENCE/DOCKET NUMBER: PA-0002 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 855-0555  
TELEFAX: (650) 845-4166  
INFORMATION FOR SEQ ID NO: 1291:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2000 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: GENBANK  
CLONE: g28980  
US-09-016-434-1291

Query Match 10.6%; Score 88; DB 4; Length 2000;  
Best Local Similarity 51.0%; Pred. No. 8.5e-17;  
Matches 208; Conservative 0; Mismatches 200; Indels 0; Gaps 0;

QY 147 CTGTATATCAGCAATGTGTGCGCCGCAACAAGCTCATGCTGTCTAGCAACAGATC 206  
DB 774 CTGTACTGGGAGTGTGATCAAGCTTCCGCAAGACATGTGATGCTTGGGATTA 833  
QY 207 ACCATGTCATCATATGCTCATAGTGAAGTGAACACTGTATGAGATATCCAGTAC 266  
DB 834 ACTGCTTGAATCAAGTCTGAGCAATGTCCTCCCAACATTTTGGGCTCACTACAGTAC 893  
QY 267 ATGAGGATACCTGTGCTGACTCCCTAATCTCACTGTGACTTCTTGAACCTATT 326  
DB 894 AAGAGCATCCCTGTGAGAGCAACCAAGGACAGATCAAGCTCTGTTCAAGAGGCC 953  
QY 327 GCTGACCATATCAACAGCGTGAAGATGAAGCAGGCGGTAATTGCTGCACTGTGCT 386  
DB 954 ATTGACTTCAATAGCTCATCAAGATGTGAAGAGGAGGTTGTCTGCTGCGAGCA 1013  
QY 387 GGTGTAGCGGCTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 446  
DB 1014 GGCATTTCCGGTCAACCATCTGCTGCTTCACTTATGAGACTATGAGTGAAG 1073  
QY 447 CTGCTGAGCGCCACACAGTGAACCAAGTCAATGCTGCGGCCATCATCCGACCAAGCGGC 506  
DB 1074 CTGAGCAGAGGCTTTGAGTTTGGAGCAAGGAGGAGCATCTCTCCCAACTTACG 1133  
QY 507 TTTTGGAGAGCTCATCACTATGATTTCCAAATGTTTGGCAAGAAC 554  
DB 1134 TTATGAGGCGAGCTGCTGAGTTTGAATGCCAGGTGCTGCTGCGCAC 1181

RESULT 5  
US-08-530-290-11  
Sequence 11, Application US/08530290  
Patent No. 5958721  
GENERAL INFORMATION:  
APPLICANT: Marshall, Christopher John



```
RESULT 7
US-09-736-457-803
; Sequence 803, Application US/09736457
; Patent No. 6509448
; GENERAL INFORMATION:
; APPLICANT: Bangur, Tongtong
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Aijun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.478C15
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1664
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 803
; LENGTH: 1238
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-736-457-803

Query Match      10.4%; Score 87; DB 4; Length 1238;
Best Local Similarity 49.9%; Pred. No. 1.3e-16;
Matches 219; Conservative 0; Mismatches 220; Indels 0; Gaps 0;

QY      146 CTTGTATATGAGCAATGATGAGCGCCCAACAAAGCTGCTGTCTAGCAACAGAT 205
Db      659 CCTTACCTGGAGAGTGGCTTACATGCTGCGCCGAGAGACATGCTGAGCGCCCTGGGCAT 718
QY      206 CACCATGTCATCATGTCCTAGTGAAGTGAACACCTTTATGAGATATCCAGTA 265
Db      719 CACGGCTCTGTGAATGTCCTCTGGACTGCCAACCATTGAAAGACATATAGTA 778
QY      266 CATCAGATACCTTGGCTGACTCCCTTACTCAAGTCTGTGACTTCTTGAACCTAT 325
Db      779 CAGTGCATCCCATGAGTAAGTAACACAGCCGACATCAGCTTCCTGATGAAAGC 838
QY      326 TGTGACCATATTCACAGCGTGAAGATGAACAGGCGCGTACTTGTGCTGCACTGTGC 385
Db      839 CATAGAGTACATGATGCGGTGAAGAGACTGCCGCGGGCGGTGCTGCACTGCCAGGC 898
QY      386 TGTGTGAGCGGCTCAGTGCCTGTGCTGCTGCTTACTTATGAAGTACCAAGCCATGTC 445
Db      899 GGGGATCTCGGGGTGCGGCACATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 958
QY      446 CTTGCTGAGAGCGCCCAACGTGACCAAGTCAATGCGCGCCCATTCGAGCCCAAGCGG 505
Db      959 GCTGAGAGAGGCTTTGAGTTCTTTAAGACAGCGCGGACATCTGCGCCCACTTAG 1018
QY      506 CTTTGGAGAGAGCTCATTCACACTATGATTCAAATTTTGGCAAGAACCTGTGCAT 565
Db      1019 CTTTATGGGGAGAGTGTGCTGCACTTGAAGTCCAGAGTGTGCTGCTGCTGCTGCTG 1078
QY      566 GGTGAGTTCCCAAGTGGGA 584
Db      1079 GGTGCTAGCCCTCGGGA 1097

RESULT 8
US-09-614-124B-803
; Sequence 803, Application US/09614124B
; Patent No. 6630574
; GENERAL INFORMATION:
; APPLICANT: Bangur, Tongtong
; APPLICANT: Bangur, Chaitanya S.
```

```
APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.478C9
; CURRENT FILING DATE: 2001-07-11
; NUMBER OF SEQ ID NOS: 1668
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 803
; LENGTH: 1238
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-614-124B-803

Query Match      10.4%; Score 87; DB 4; Length 1238;
Best Local Similarity 49.9%; Pred. No. 1.3e-16;
Matches 219; Conservative 0; Mismatches 220; Indels 0; Gaps 0;

QY      146 CTTGTATATGAGCAATGATGAGCGCCCAACAAAGCTGCTGTCTAGCAACAGAT 205
Db      659 CCTTACCTGGAGAGTGGCTTACATGCTGCGCCGAGAGACATGCTGAGCGCCCTGGGCAT 718
QY      206 CACCATGTCATCATGTCCTAGTGAAGTGAACACCTTTATGAGATATCCAGTA 265
Db      719 CACGGCTCTGTGAATGTCCTCTGGACTGCCAACCATTGAAAGACATATAGTA 778
QY      266 CATCAGATACCTTGGCTGACTCCCTTACTCAAGTCTGTGACTTCTTGAACCTAT 325
Db      779 CAGTGCATCCCATGAGTAAGTAACACAGCCGACATCAGCTTCGTTCATGAAAGC 838
QY      326 TGTGACCATATTCACAGCGTGAAGATGAACAGGCGCGTACTTGTGCTGCACTGTGC 385
Db      839 CATAGAGTACATGATGCGGTGAAGAGACTGCCGCGGGCGGTGCTGCACTGCCAGGC 898
QY      386 TGTGTGAGCGGCTCAGTGCCTGTGCTGCTGCTTACTTATGAAGTACCAAGCCATGTC 445
Db      899 GGGGATCTCGGGGTGCGGCACATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 958
QY      446 CTTGCTGAGAGCGCCCAACGTGACCAAGTCAATGCGCGCCCATTCGAGCCCAAGCGG 505
Db      959 GCTGAGAGAGGCTTTGAGTTCTTTAAGACAGCGCGGACATCTGCGCCCACTTAG 1018
QY      506 CTTTGGAGAGAGCTCATTCACACTATGATTCAAATTTTGGCAAGAACCTGTGCAT 565
Db      1019 CTTTATGGGGAGAGTGTGCTGCACTTGAAGTCCAGAGTGTGCTGCTGCTGCTGCTG 1078
QY      566 GGTGAGTTCCCAAGTGGGA 584
Db      1079 GGTGCTAGCCCTCGGGA 1097

RESULT 9
US-09-671-325-803
; Sequence 803, Application US/09671325
; Patent No. 6667154
; GENERAL INFORMATION:
; APPLICANT: Bangur, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.478C12
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	Query Match	Best Local Similarity	96.6%;	Score 805.6;	DB 9;	Length 1140;				
	Matches	800;	Conservative	0;	Mismatches	4;	Indels	0;	Gaps	0
Oy	23	CATTCTGGTGTTCGCTGACTGCTGACCACTGACCCAGCGCCTTGATGACAGCACCCCTC	82							
Db	216	CACCCCTTCGTGGTTCGTGCTGACTGCTGACCACTGACCCAGCGCCTTGATGACAGCACCCCTC	275							
Oy	83	GTTGTGCTTCCAGTTCAAGTTCGGGACAGCCCTCAGTCAGCGGGCTCTCGGAGATTAACCA	142							
Db	276	GTTGTGCTTCCAGTTCAAGTTCGGGACAGCCCTCAGTCAGCGGGCTCTCGGAGATTAACCA	335							
Oy	143	AGCCTGTATATACGCAATGTGTGGCGGCAACAGTCTCATGCTGTATGACCAACA	202							



Oy	23	CATTCTTGCGGTTTGGCTGACGCTGACACGACGACCCACGGCTTTGATGACGACCCCTC	82
Db	216	CAGCTTCGCGCTTCGCTGACGCTGACACGACGACCCACGGCTTTGATGACGACCCCTC	275
Oy	83	GTGTGCGCTTCCAGTTCAAGTTCGGCAGCCCTCAGTCAAGCGGCTCTTGCAATTAACAA	144
Db	276	GTGTGCGCTTCCAGTTCAAGTTCGGCAGCCCTCAGTCAAGCGGCTCTTGCAATTAACAA	335
Oy	143	AAGCCTGTATATAGCAATGTGTGTGGCCGCCCAACAAGCTCATGCTGTCTAGCAACA	20
Db	336	AAGCCTGTATATAGCAATGTGTGTGGCCGCCCAACAAGCTCATGCTGTCTAGCAACA	395
Oy	203	GATCACACATGTCATCAATGTCTCAGTGGAGGTATGAAACCTGTATAGAGATATCCA	26
Db	396	GATCACACATGTCATCAATGTCTCAGTGGAGGTATGAAACCTGTATAGAGATATCCA	455
Oy	263	GTACATGACAGATACGTGTGGCTGACTCCCTTAACCTACGTCGTGTGTGAACCC	322
Db	456	GTACATGACAGATACGTGTGGCTGACTCCCTTAACCTACGTCGTGTGTGAACCC	515
Oy	323	TATGTCTGACCAATATCAAGGCTGGAAATGAAAGAGGGCGTACTTGTCTGCACTGCG	382
Db	516	TATGTCTGACCAATATCAAGGCTGGAAATGAAAGAGGGCGTACTTGTCTGCACTGCG	575
Oy	383	TGCTGTGTGTGAGCCGCTGACAGTCCCTGTGCTCGCTCACTCAATGAAGTACACAGCAT	442
Db	576	TGCTGTGTGTGAGCCGCTGACAGTCCCTGTGCTCGCTCACTCAATGAAGTACACAGCAT	635
Oy	443	GTCCCTGTGTGAGCCGCTGACACAGTGAACAGTCAATGCCGCCCATCATCGACCCAAAG	502
Db	636	GTCCCTGTGTGAGCCGCTGACACAGTGAACAGTCAATGCCGCCCATCATCGACCCAAAG	695
Oy	503	CGGCTTTTGGGAGCAGCTCATCCACTATGATGTCCAAATGTTTGGCAAGAACCTGTGCA	562
Db	696	CGGCTTTTGGGAGCAGCTCATCCACTATGATGTCCAAATGTTTGGCAAGAACCTGTGCA	755
Oy	563	CATGCTCAGTTCCCGAGTGGGAATGATCCCTGACATCTATGAGAAGGAAGTCCGTTTGAT	622
Db	756	CATGCTCAGTTCCCGAGTGGGAATGATCCCTGACATCTATGAGAAGGAAGTCCGTTTGAT	815
Oy	623	GATTTCACTGTGAGCCATCCCAACGAGCCCTGTGCAATGGAGTCAAGAGTACAGATCTATG	682
Db	816	GATTTCACTGTGAGCCATCCCAACGAGCCCTGTGCAATGGAGTCAAGAGTACAGATCTATG	875
Oy	683	TTGATCTTACACCAAGATCCAAACTTGAAACATTTCACTTTGTGTGATCAGAAAAAACA	742
Db	876	TTGATCTTACACCAAGATCCAAACTTGAAACATTTCACTTTGTGTGATCAGAAAAAACA	935
Oy	743	GATGATGCTTTTATGAGCACAAAAAAGATTGCTGTAGCTTTTAACTTATTAATCAATT	802
Db	936	GATGATGCTTTTATGAGCACAAAAAAGATTGCTGTAGCTTTTAACTTATTAATCAATT	995
Oy	803	TTTTTCAAGTTAACTAATGTGTGAGAGGTG	834
Db	996	TTTTTCAAGTTAACTAATGTGTGAGAGGTG	1027

```

RESULT 3
US-10-103-313-263
; Sequence 263, Application US/10103313
; Publication No. US20030082758A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P1207C1
; CURRENT APPLICATION NUMBER: US/10/103,313
; CURRENT FILING DATE: 2002-03-12
; NUMBER OF SEQ. ID NOS: 653
; Prior Application removed - See File Wrapper or Paim
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 263
; LENGTH: 1140

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RESULT 4  
US-10-227-577-257  
; Sequence 257, Application US/10227577  
; Publication No. US20040005575A1

[illegible]

Db 636 GTCCCTGCTGGAACGCCACAGCTGGAACCAAGTCATGCCGCCATCCGACCCAAACAG 695  
Qy 503 CGGCTTTGGAGAGAGCTCACTCCACTATGATTCATTTGTTGGCAAGAACCTGAC 562  
Db 696 CGGCTTTGGAGAGAGCTCACTCCACTATGATTCATTTGTTGGCAAGAACCTGAC 755  
Qy 563 CATTGTCAGTTCCTCCAGTGGAGATGATCCCTGACATCTATGAGAAGAGTCCGTTGAT 622  
Db 756 CATTGTCAGTTCCTCCAGTGGAGATGATCCCTGACATCTATGAGAAGAGTCCGTTGAT 815  
Qy 623 GATTCCACTGTGAGCCATCCCAAGAGCCCTGCTGATGAGTCAAGAGTCAAGATCTATTG 682  
Db 816 GATTCCACTGTGAGCCATCCCAAGAGCCCTGCTGATGAGTCAAGAGTCAAGATCTATTG 875  
Qy 683 TTGATCTTACCAACCAAGATCCCAACTTGAACATCTTGTGATGACGAAAAAACA 742  
Db 876 TTGATCTTACCAACCAAGATCCCAACTTGAACATCTTGTGATGACGAAAAAACA 935  
Qy 743 GATGATCCCTTTTATGAGCACAAGAAAAAGAGTTCCTGATGCTTTTAACTTTATATCCATT 802  
Db 936 GATGATCCCTTTTATGAGCACAAGAAAAAGAGTTCCTGATGCTTTTAACTTTATATCCATT 995  
Qy 803 TTTTTCAGATTAACTAATTGTGAGATGCTG 834  
Db 996 TTTTTCAGATTAACTAATTGTGAGATGCTG 1027

## RESULT 5

US-10-037-270-364  
Sequence 364, Application US/10037270  
Publication No. US20030104529A1

## GENERAL INFORMATION:

APPLICANT: Tang, Y. Tom  
APPLICANT: Liu, Chenghua  
APPLICANT: Asundi, Vinod  
APPLICANT: Zhang, Jie  
APPLICANT: Ren, Feiyan  
APPLICANT: Chen, Rui-hong  
APPLICANT: Zhao, Qing A.  
APPLICANT: Wehrman, Tom  
APPLICANT: Xue, Aidong J.  
APPLICANT: Yang, Yonghong  
APPLICANT: Wang, Jian-Rui  
APPLICANT: Zhou, Ping  
APPLICANT: Ma, Yundong  
APPLICANT: Wang, Duntui  
APPLICANT: Wang, Zhimei  
APPLICANT: Tillinghast, John  
APPLICANT: Drmanac, Radoje T.  
TITLE OF INVENTION: No. US20030104529A1el Nucleic Acids and  
TITLE OF INVENTION: Polypeptides  
FILE REFERENCE: 784CIP2B  
CURRENT APPLICATION NUMBER: US/10/037, 270  
CURRENT FILING DATE: 2002-01-04  
PRIOR APPLICATION NUMBER: 09/552,317  
PRIOR FILING DATE: 2000-04-25  
PRIOR APPLICATION NUMBER: 09/488,725  
PRIOR FILING DATE: 2000-01-21  
NUMBER OF SEQ ID NOS: 1104  
SOFTWARE: pc\_fl\_genes Version 1.0  
SEQ ID NO 364  
LENGTH: 1394  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (487)..(1053)  
US-10-037-270-364

Query Match 96.6%; Score 805.6; DB 15; Length 1394;  
Best Local Similarity 99.5%; Pred. No. 7.2e-244;  
Matches 808; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 23 CATTCTTGATGTTGCTGTACTGTCACACTGACACCCAGCCCTTGATGACAGACCCCTC 82  
Db 441 CAGCTTCGTGCTTCCTGCTGCTGCTGACACTGACCCACGCGCTTGATGACAGACCCCTC 500  
Qy 83 GTGTGCTTTCCCAAGTTAGTTCCGGCAGCCCTCAATCAGAGGGCTCTCCGAGATTAACCA 142  
Db 501 GTGTGCTTTCCCAAGTTAGTTCCGGCAGCCCTCAATCAGAGGGCTCTCCGAGATTAACCA 560  
Qy 143 AAGCTGTATATACAGCAATGATGTTGGCCGCGCAACAACAACTCATGCTGTCTAGCAACA 202  
Db 561 AAGCTGTATATACAGCAATGATGTTGGCCGCGCAACAACAACTCATGCTGTCTAGCAACA 620  
Qy 203 GATCACCATGTCATCAATGTCATGAGAGTATGAAACCTTGATGAGATATCA 262  
Db 621 GATCACCATGTCATCAATGTCATGAGAGTATGAAACCTTGATGAGATATCA 680  
Qy 263 GTACATGCAAGTACCTGTGCTGACTCTCCCTTAACCTCACTCTCTGTGACTTTTGACC 322  
Db 681 GTACATGCAAGTACCTGTGCTGACTCTCCCTTAACCTCACTCTCTGTGACTTTTGACC 740  
Qy 323 TATTGCTGACATATCCACAGCGTGGAGATGAAGCAAGGCGGTACTTGTGCTGACTGTGC 382  
Db 741 TATTGCTGACATATCCACAGCGTGGAGATGAAGCAAGGCGGTACTTGTGCTGACTGTGC 800  
Qy 383 TGCTGTGTGAGCGCTCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 442  
Db 801 TGCTGTGTGAGCGCTCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 860  
Qy 443 GTCCCTGCTGAGCGCCCAACGCTGAGCAAGTCAATGCGGCCCATCATCCGACCCAAACAG 502  
Db 861 GTCCCTGCTGAGCGCCCAACGCTGAGCAAGTCAATGCGGCCCATCATCCGACCCAAACAG 920  
Qy 503 CGGCTTTGGAGAGAGCTCACTCCACTATGAGTTGCAATTTGTTGGCAAGAACCTGTCGA 562  
Db 921 CGGCTTTGGAGAGAGCTCACTCCACTATGAGTTGCAATTTGTTGGCAAGAACCTGTCGA 980  
Qy 563 CATGTCAGTTCCTCCAGTGGAGATGATCCCTGACATCTATGAGAAGAGTCCGTTGAT 622  
Db 981 CATGTCAGTTCCTCCAGTGGAGATGATCCCTGACATCTATGAGAAGAGTCCGTTGAT 1040  
Qy 623 GATTCCACTGTGAGCCATCCCAAGAGCCCTGCTGATGAGTCAAGAGTCAAGATCTATTG 682  
Db 1041 GATTCCACTGTGAGCCATCCCAAGAGCCCTGCTGATGAGTCAAGAGTCAAGATCTATTG 1100  
Qy 683 TTGATCTTACCAACCAAGATCCCAACTTGAACATCTTGTGATGACGAAAAAACA 742  
Db 1101 TTGATCTTACCAACCAAGATCCCAACTTGAACATCTTGTGATGACGAAAAAACA 1160  
Qy 743 GATGATCCCTTTTATGAGCACAAGAAAAAGAGTTCCTGATGCTTTTAACTTTATATCCATT 802  
Db 1161 GATGATCCCTTTTATGAGCACAAGAAAAAGAGTTCCTGATGCTTTTAACTTTATATCCATT 1220  
Qy 803 TTTTTCAGATTAACTAATTGTGAGATGCTG 834  
Db 1221 TTTTTCAGATTAACTAATTGTGAGATGCTG 1252

## RESULT 6

US-10-117-722-364  
Sequence 364, Application US/10117722  
Publication No. US20030219744A1

## GENERAL INFORMATION:

APPLICANT: Tang, Y. Tom  
APPLICANT: Liu, Chenghua  
APPLICANT: Asundi, Vinod  
APPLICANT: Zhang, Jie  
APPLICANT: Drmanac, Radoje T.  
TITLE OF INVENTION: No. US20030219744A1el Nucleic Acids and  
TITLE OF INVENTION: Polypeptides  
FILE REFERENCE: 784CIP2B2CIP  
CURRENT APPLICATION NUMBER: US/10/117, 722  
CURRENT FILING DATE: 2002-04-04  
PRIOR APPLICATION NUMBER: 09/620,312



QY 503 CGGCTTTGGGAGAGCTCATCCACTATGAGTTCCAAATGTTTGGCAAGAACAAGTGTGCA 562  
DB 915 CGGCTTTGGGAGAGAGCTCATCCACTATGAGTTCCAAATGTTTGGCAAGAACAAGTGTGCA 974  
QY 563 CATGTCAGTTCCTCCAGTGGGAATGATCCCTGACATCTATGAGAAGAGTCCGTTTGTAT 622  
DB 975 CATGTCAGTTCCTCCAGTGGGAATGATCCCTGACATCTATGAGAAGAGTCCGTTTGTAT 1034  
QY 623 GATTCACCTGTGAGCCATCCCAAGAGCCCTGCACTTGGAGTCAGAGTAAAGATCTATTG 682  
DB 1035 GATTCACCTGTGAGCCATCCCAAGAGCCCTGCACTTGGAGTCAGAGTAAAGATCTATTG 1094  
QY 683 TTGATCTTAACCAAGATCCCAAGATCTTACTTTTGTGATACAGAAAAACA 742  
DB 1095 TTGATCTTAACCAAGATCCCAAGATCTTACTTTTGTGATACAGAAAAACA 1154  
QY 743 GATGATGCTTTTATGAGCACAAAAAAGATGCTGTAGCTTTTAACTTTATATTCATT 802  
DB 1155 GATGATGCTTTTATGAGCACAAAAAAGATGCTGTAGCTTTTAACTTTATATTCATT 1214  
QY 803 TTTTTCAGATTAACTAATTGTGAGATGCTG 834  
DB 1215 TTTTTCAGATTAACTAATTGTGAGATGCTG 1246

## RESULT 8

US-10-094-749-720  
Sequence 720, Application US/10094749  
Publication No. US20030219741A1  
GENERAL INFORMATION:  
APPLICANT: ISOGAI, TAKAO  
APPLICANT: SUGIYAMA, TOMOYASU  
APPLICANT: OTSUKI, TETSUJI  
APPLICANT: WAKAMATSU, AI  
APPLICANT: SATO, HIROYUKI  
APPLICANT: ISHII, SHIZUKO  
APPLICANT: YAMAMOTO, JUN-ICHI  
APPLICANT: ISONO, YUUKO  
APPLICANT: HIO, YURI  
APPLICANT: OTSUKA, KAORU  
APPLICANT: NAGAI, KETICHI  
APPLICANT: IRIE, RYOTARO  
APPLICANT: TAMECHIKA, ICHIRO  
APPLICANT: SEKI, NAOHICO  
APPLICANT: YOSHIKAWA, TSUTOMU  
APPLICANT: OTSUKA, MOTORYUKI  
APPLICANT: NAGAHARI, KENJI  
APPLICANT: MASUHO, YASUHIKO  
TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA  
FILE REFERENCE: 084335/0160  
CURRENT APPLICATION NUMBER: US/10/094,749  
CURRENT FILING DATE: 2002-03-12  
PRIOR APPLICATION NUMBER: 60/350,435  
PRIOR FILING DATE: 2002-01-24  
PRIOR APPLICATION NUMBER: JP 2001-328381  
PRIOR FILING DATE: 2001-09-14  
NUMBER OF SEQ ID NOS: 3381  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 720  
LENGTH: 2454  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-094-749-720

Query Match 96.6%; Score 805.6; DB 16; Length 2454;  
Best Local Similarity 99.5%; Pred. No. 1,1e-243;  
Matches 808; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 23 CATCTTGGTGTTCCTGCTGATGCTGACCACTGACCCGCTTGTATGACAGACCTTC 82  
DB 456 CAGCTTCGTGCTTCGCTGCTGCTGACCACTGACCCGCTTGTATGACAGACCTTC 515

QY 83 GTGTGCTTCCTCCAGTTCAGTTCGCGAGCCCTCAGTCAAGCGCTCTCGCAGATTACCAA 142  
DB 516 GTGTGCTTCCTCCAGTTCAGTTCGCGAGCCCTCAGTCAAGCGCTCTCGCAGATTACCAA 575  
QY 143 AAGCTGTATATACAGCAATGTGTGGCCGCGCAACAACCTCATGTGCTGCAACCA 202  
DB 576 AAGCTGTATATACAGCAATGTGTGGCCGCGCAACAACCTCATGTGCTGCAACCA 635  
QY 203 GATCACCATGTCATCAATGTCTCAGTGAAGTATGAAACACCTTGTATGAGATATCCA 262  
DB 636 GATCACCATGTCATCAATGTCTCAGTGAAGTATGAAACACCTTGTATGAGATATCCA 695  
QY 263 GTACATGACAGTACCTGTGCTGCTAATCCCTAACTCACTCTGTGACTTTTGACCC 322  
DB 696 GTACATGACAGTACCTGTGCTGCTAATCCCTAACTCACTCTGTGACTTTTGACCC 755  
QY 323 TATTGCTGACCAATATCCAGAGCGTGAAGATGAAGAGAGGCGGTATGCTGCACTGTGC 382  
DB 756 TATTGCTGACCAATATCCAGAGCGTGAAGATGAAGAGAGGCGGTATGCTGCACTGTGC 815  
QY 383 TGCTGTGTGAGCGCTCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 442  
DB 816 TGCTGTGTGAGCGCTCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 875  
QY 443 GTCCCTGTGAGAGCGCCACAGTGAACCAAGTATGCGGCGCATATCCGACCCAAAG 502  
DB 876 GTCCCTGTGAGAGCGCCACAGTGAACCAAGTATGCGGCGCATATCCGACCCAAAG 935  
QY 503 CGGCTTTGGGAGAGAGCTCATCCACTATGAGTTCCAAATGTTTGGCAAGAACAAGTGTGCA 562  
DB 936 CGGCTTTGGGAGAGAGCTCATCCACTATGAGTTCCAAATGTTTGGCAAGAACAAGTGTGCA 995  
QY 563 CATGTCAGTTCCTCCAGTGGGAATGATCCCTGACATCTATGAGAAGAGTCCGTTTGTAT 622  
DB 996 CATGTCAGTTCCTCCAGTGGGAATGATCCCTGACATCTATGAGAAGAGTCCGTTTGTAT 1055  
QY 623 GATTCACCTGTGAGCCATCCCAAGAGCCCTGCACTTGGAGTCAGAGTAAAGATCTATTG 682  
DB 1056 GATTCACCTGTGAGCCATCCCAAGAGCCCTGCACTTGGAGTCAGAGTAAAGATCTATTG 1115  
QY 683 TTGATCTTAACCAAGATCCCAAGATCTTACTTTTGTGATACAGAAAAACA 742  
DB 1116 TTGATCTTAACCAAGATCCCAAGATCTTACTTTTGTGATACAGAAAAACA 1175  
QY 743 GATGATGCTTTTATGAGCACAAAAAAGATGCTGTAGCTTTTAACTTTATATTCATT 802  
DB 1176 GATGATGCTTTTATGAGCACAAAAAAGATGCTGTAGCTTTTAACTTTATATTCATT 1235  
QY 803 TTTTTCAGATTAACTAATTGTGAGATGCTG 834  
DB 1236 TTTTTCAGATTAACTAATTGTGAGATGCTG 1267

## RESULT 9

US-10-027-632-101755  
Sequence 101755, Application US/10027632  
Publication No. US20020198371A1  
GENERAL INFORMATION:  
APPLICANT: Wang, David G.  
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
FILE REFERENCE: 108827.129  
CURRENT APPLICATION NUMBER: US/10/027,632  
CURRENT FILING DATE: 2002-04-30  
PRIOR APPLICATION NUMBER: US 60/218,006  
PRIOR FILING DATE: 2000-07-12  
PRIOR APPLICATION NUMBER: US 60/198,676  
PRIOR FILING DATE: 2000-04-20  
PRIOR APPLICATION NUMBER: US 60/193,483  
PRIOR FILING DATE: 2000-03-29  
PRIOR APPLICATION NUMBER: US 60/185,218  
PRIOR FILING DATE: 2000-02-24  
PRIOR APPLICATION NUMBER: US 60/167,363









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APPLICANT: Topper, James N.
APPLICANT: Shimkets, Richard A.
APPLICANT: Leach, Martin D.
APPLICANT: Zernusen, Bryan D.
APPLICANT: Komuves, Laszlo
APPLICANT: Padigaru, Muralidhara
TITLE OF INVENTION: PROTEINS AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: 21402-285
CURRENT APPLICATION NUMBER: US/10/087,887
CURRENT FILING DATE: 2002-03-01
PRIOR APPLICATION NUMBER: 60/273,049
PRIOR FILING DATE: 2001-03-02
PRIOR APPLICATION NUMBER: 60/279,883
PRIOR FILING DATE: 2001-03-29
PRIOR APPLICATION NUMBER: 60/277,791
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/281,248
PRIOR FILING DATE: 2001-04-03
PRIOR APPLICATION NUMBER: 60/282,864
PRIOR FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: 60/282,537
PRIOR FILING DATE: 2001-04-09
PRIOR APPLICATION NUMBER: 60/282,867
PRIOR FILING DATE: 2001-04-10
NUMBER OF SEQ ID NOS: 104
SOFTWARE: Curoseqglist version 0.1
SEQ ID NO 21
LENGTH: 1417
TYPE: DNA
ORGANISM: Homo sapiens
US-10-087-887-21

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QY	23	CATTCTTGTTGTTTGGCTGACTGCTGACCTGACCCACCCGCTTGATGACAGACCCCTC	82						
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QY	83	GTGTGCTTCCCAAGTTCAGTTCCGGGACCCCTCACTGAGGGGCTCTGGCAGATAACCA	142						
Db	666	GTGTGCTTCCCAAGTTCAGTTCCGGGACCCCTCACTGAGGGGCTCTGGCAGATAACCA	725						
QY	143	AAGCCTGATATCAGCAATGGTGTGGCGGCCCAACAAGCTCAGCTGTGACGACCA	202						
Db	726	AAGCCTGATATCAGCAATGGTGTGGCGGCCCAACAAGCTCAGCTGTGACGACCA	785						
QY	203	GATCACCATGCTCATCATGTCTCAGTGGAGGTAGTGAAACCTTGATGAGGATATCCA	262						
Db	786	GATCACCATGCTCATCATGTCTCAGTGGAGGTAGTGAAACCTTGATGAGGATATCCA	845						
QY	263	GTAATGAGGTACTCTGTGGCTGAATCCCTTAACCTCAGTCTCTGTGACTTTTGGACCC	322						
Db	846	GTAATGAGGTACTCTGTGGCTGAATCCCTTAACCTCAGTCTCTGTGACTTTTGGACCC	905						
QY	323	TATTGCTGACCATATCCACAGGGTGGAGATGAAGAGGGGCGTACTTTGCTGCACTGTGC	382						
Db	906	TATTGCTGACCATATCCACAGGGTGGAGATGAAGAGGGGCGTACTTTGCTGCACTGTGC	965						
QY	383	TGCTGTGTGAGCCGCTCAGCTGCCCTGTGCTGGCTTAACCTCATGAAGTACACGCCAT	442						
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QY	443	GTCCCTGTGAGACGCCACCAAGTGGAGCCAGGCCCATCATGCCACCCACG	502						
Db	1026	GTCCCTGTGAGACGCCACCAAGTGGAGCCAGGCCCATCATGCCACCCACG	1085						
QY	503	CGGCTTTTGGGAGAGCTCATCCATATGAGTTCCAAATTGTTTGGCAAGAACACTGTGCA	562						
Db	1086	CGGCTTTTGGGAGAGCTCATCCATATGAGTTCCAAATTGTTTGGCAAGAACACTGTGCA	1144						
QY	563	CATGCTCAGTTCCCAATGGGAATGATCCCTGACATCTATGAGGAAGATCCGTTTGAT	622						

Db	1146	CATGTCAGTTCCCACTGGAAATGATCCCTGCATCTAATGAGAAAGATCCCTTTGAT	1205
Qy	623	GATTCACCTGAGACCATCCCAAGAGCCCTGCATTTGAGTCAGAGGTAACAGATCTATTG	682
Db	1206	GATTCACCTGAGACCATCCCAAGAGCCCTGCATTTGAGTCAGAGGTAACAGATCTATTG	1265
Qy	683	TTGATCTTACACCAAGATCCAACTTGAACATTCTACTTTTGTGATACAGAAAAAACA	742
Db	1266	TTGATCTTACACCAAGATCCAACTTGAACATTCTACTTTTGTGATACAGAAAAAACA	1325
Qy	743	GATGATCCCTTTTATGAGCACAAAAAAGATGCTGTAGCTTTTAACTTTAATATTCATT	802
Db	1326	GATGATCCCTTTTATGAGCACAAAAAAGATGCTGTAGCTTTTAACTTTAATATTCATT	1385
Qy	803	TTTTTCAGATTAACATAATTGGAGATGGG	834
Db	1386	TTTTTAAAGATTAACTAATTGTGAGATGGTG	1417

RESULT 15  
 US-10-052-648A-29  
 Sequence 29, Application US/10052648A  
 Publication No. US2004000558A1  
 GENERAL INFORMATION:  
 APPLICANT: Anderson, David  
 APPLICANT: Burgess, Catherine  
 APPLICANT: Casman, Stacie  
 APPLICANT: Colman, Steven  
 APPLICANT: Edinger, Shlomit R.  
 APPLICANT: Elberman, Karen  
 APPLICANT: Gerlach, Valerie  
 APPLICANT: Gunther, Erik  
 APPLICANT: Kekuda, Ramesh  
 APPLICANT: MacDougall, John R.  
 APPLICANT: Mehra, Fuad  
 APPLICANT: Patra, Meera  
 APPLICANT: Rothenberg, Mark  
 APPLICANT: Shinkets, Richard  
 APPLICANT: Smithson, Glenda  
 APPLICANT: Spytak, Kimberly A.  
 APPLICANT: Stone, David J.  
 APPLICANT: Verne, Corine A.M.  
 APPLICANT: Zehrsen, Bryan D.  
 TITLE OF INVENTION: PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF  
 FILE REFERENCE: 21402-250 (CDA-550)  
 CURRENT APPLICATION NUMBER: US/10/052,648A  
 CURRENT FILING DATE: 2002-12-09  
 PRIOR APPLICATION NUMBER: 60/262,454  
 PRIOR FILING DATE: 2001-01-18  
 PRIOR APPLICATION NUMBER: 60/272,920  
 PRIOR FILING DATE: 2001-03-02  
 PRIOR APPLICATION NUMBER: 60/284,549  
 PRIOR FILING DATE: 2001-04-18  
 PRIOR APPLICATION NUMBER: 60/303,229  
 PRIOR FILING DATE: 2001-07-05  
 PRIOR APPLICATION NUMBER: 60/362,892  
 PRIOR FILING DATE: 2001-01-19  
 PRIOR APPLICATION NUMBER: 60/263,605  
 PRIOR FILING DATE: 2001-01-23  
 PRIOR APPLICATION NUMBER: 60/269,098  
 PRIOR FILING DATE: 2001-02-15  
 PRIOR APPLICATION NUMBER: 60/264,159  
 PRIOR FILING DATE: 2001-01-25  
 PRIOR APPLICATION NUMBER: 60/265,517  
 PRIOR FILING DATE: 2001-01-31  
 PRIOR APPLICATION NUMBER: 60/271,855  
 PRIOR FILING DATE: 2001-02-27  
 Remaining Prior Application data removed - See File Wrapper or PALM.  
 NUMBER OF SEQ ID NOS: 97  
 SOFTWARE: Patentln Ver. 2.1  
 SEQ ID NO 29



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; LENGTH: 624
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-052-648A-29

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Query Match	73.5%	Score 612.8;	DB 16;	length 624;
Best Local Similarity	98.9%;	Pred. No. 5.1e-183;		
Matches 617; Conservative	0;	Mismatches 7;	Indels 0;	Gaps 0;

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QY	147	CTGTATATACGAATGATGTGGCCGCCCAACAACACTCATGTGTCTAGCAACCGATC	206
Db	121	CTGTATATACGAATGATGTGGCCGCCCAACAACACTCATGTGTCTAGCAACCGATC	180
QY	207	ACCATGTGATCAATGTCTCAGTGAAGTAGTGAACACTTGTATGAGATATCCAGTAC	266
Db	181	ACCATGTGATCAATGTCTCAGTGAAGTAGTGAACACTTGTATGAGATATCCAGTAC	240
QY	267	ATGCAGGTACCTGTGGCTGACTCCCTTAATCAACGTCCTCTGTGACTTTTGAACCTAAT	326
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QY	327	GCTGACCATATCAACAGCGTGGAGATGAAGACAGGGCCGTAATTGTGCGACATGTCGCT	386
Db	301	GCTGACCATATCAACAGCGTGGAGATGAAGACAGGGCCGTAATTGTGCGACATGTCGCT	360
QY	387	GGTGTGAGCCGCTCAAGCTGCCCTGTGCTCTGCCTTACCTATGAAGTACCAACGCCATGTCC	446
Db	361	GGTGTGAGCCGCTCAAGCTGCCCTGTGCTCTGCCTTACCTATGAAGTACCAACGCCATGTCC	420
QY	447	CTGCTGGAGGCCCAACCGTGAACCAAGTCAATGCGGCCCATCATCCGACCCACAGCGGC	506
Db	421	CTGCTGGAGGCCCAACCGTGAACCAAGTCAATGCGGCCCATCATCCGACCCACAGCGGC	480
QY	507	TTTTGGAGACAGCTCATCCACTATGAGTTCCAAATTGTGGCAAGAACACTGTGCACATG	566
Db	481	TTTTGGAGACAGCTCATCCACTATGAGTTCCAAATTGTGGCAAGAACACTGTGCACATG	540
QY	567	GTCAGTTTCCCAAGTGGGAATGATCCCTGACATCTATGAGAAAGAAAGTCCGTTTGATGATT	626
Db	541	GTCAGTTTCCCAAGTGGGAATGATCCCTGACATCTATGAGAAAGAAAGTCCGTTTGATGATT	600
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Db	601	CCACTGTGAGCATCCCAACGAAGCC	624

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Job time : 1577 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: July 22, 2004, 13:47:18 ; Search time 45 Seconds

(without alignments)  
1308.289 Million cell updates/sec

Title: US-09-527-376-2

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Sequence:

Scoring table: BLOSUM62

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Total number of hits satisfying chosen parameters: 1288442

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	981	100.0	188	US-10-181-590-6	Sequence 6, Appl1
2	981	100.0	188	US-10-087-887-18	Sequence 18, Appl1
3	981	100.0	188	US-10-094-749-2359	Sequence 2359, Appl1
4	981	100.0	188	US-10-052-648A-78	Sequence 78, Appl1
5	981	100.0	192	US-09-764-869-872	Sequence 872, Appl1
6	981	100.0	192	US-10-091-504-872	Sequence 872, Appl1
7	981	100.0	192	US-10-103-313-547	Sequence 547, Appl1
8	981	100.0	192	US-10-227-577-872	Sequence 872, Appl1
9	981	100.0	188	US-10-052-648A-30	Sequence 30, Appl1
10	921	93.9	177	US-09-864-761-42750	Sequence 42750, A
11	818	83.4	188	US-10-052-648A-79	Sequence 79, Appl1
12	780	79.5	151	US-10-052-648A-80	Sequence 80, Appl1
13	733.5	74.8	189	US-10-087-887-94	Sequence 94, Appl1
14	727	74.1	139	US-10-087-887-100	Sequence 100, Appl1
15	703	71.7	187	US-10-052-648A-81	Sequence 81, Appl1

16	700	71.4	190	US-10-044-205A-44	Sequence 44, Appl1
17	700	71.4	190	US-10-087-887-95	Sequence 95, Appl1
18	700	71.4	190	US-10-052-648A-82	Sequence 82, Appl1
19	697	71.0	190	US-10-044-205A-42	Sequence 42, Appl1
20	511	52.1	198	US-10-087-887-96	Sequence 96, Appl1
21	511	52.1	198	US-10-428-487-40	Sequence 40, Appl1
22	500	51.0	198	US-10-087-887-97	Sequence 97, Appl1
23	431	43.9	151	US-09-864-761-46915	Sequence 46915, A
24	280	28.5	139	US-10-072-012-816	Sequence 816, Appl1
25	280	28.5	139	US-10-072-012-871	Sequence 871, Appl1
26	280	28.5	139	US-10-072-012-873	Sequence 873, Appl1
27	280	28.5	139	US-10-052-648A-83	Sequence 83, Appl1
28	269	27.4	139	US-10-072-012-817	Sequence 817, Appl1
29	269	27.4	139	US-10-072-012-864	Sequence 864, Appl1
30	269	27.4	139	US-10-072-012-868	Sequence 868, Appl1
31	269	27.4	139	US-10-072-012-869	Sequence 869, Appl1
32	269	27.4	139	US-10-072-012-870	Sequence 870, Appl1
33	269	27.4	139	US-10-072-012-872	Sequence 872, Appl1
34	269	27.4	139	US-10-052-648A-84	Sequence 84, Appl1
35	253	25.8	353	US-10-087-887-98	Sequence 98, Appl1
36	252	25.7	367	US-09-919-497-60	Sequence 60, Appl1
37	252	25.7	367	US-10-341-434-93	Sequence 93, Appl1
38	246	25.1	154	US-09-964-277-9	Sequence 9, Appl1
39	246	25.1	154	US-09-955-732-8	Sequence 17, Appl1
40	246	25.1	167	US-10-346-356-17	Sequence 28, Appl1
41	246	25.1	169	US-09-775-925-28	Sequence 18, Appl1
42	246	25.1	169	US-09-847-519A-13	Sequence 18, Appl1
43	246	25.1	169	US-10-655-073-18	Sequence 16, Appl1
44	246	25.1	169	US-10-314-058-16	Sequence 18, Appl1
45	246	25.1	169	US-10-405-808-18	Sequence 18, Appl1

#### ALIGNMENTS

RESULT 1  
US-10-181-590-6  
Sequence 6, Application US/10181590  
Publication No. US20030152949A1  
GENERAL INFORMATION:  
APPLICANT: INCYTE GENOMICS, INC.  
APPLICANT: BANDMAN, Olga  
APPLICANT: MATHUR, Preeti  
APPLICANT: TANG, Y. Tom  
APPLICANT: AZIMZAI, Yalda  
APPLICANT: YUE, Henry  
APPLICANT: BAUGHN, Mariah R.  
APPLICANT: HILLMAN, Jennifer L.  
APPLICANT: LAU, Preeti  
APPLICANT: WANG, Eureka  
APPLICANT: GANDHI, Ameena R.  
APPLICANT: POLICKY, Jennifer L.  
TITLE OF INVENTION: PHOSPHATASES  
FILE REFERENCE: PI-0018 PCT  
CURRENT APPLICATION NUMBER: US/10/181,590  
PRIOR FILING DATE: 2002-07-19  
PRIOR APPLICATION NUMBER: 60/177,719; 60/178,988; 60/184,959; 60/190,142  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PERL Program  
SEQ ID NO 6  
LENGTH: 188  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
OTHER INFORMATION: Incyte ID No. US20030152949A1 6205333CD1  
US-10-181-590-6  
Query Match 100.0%; Score: 981; DB 14; Length 188;  
Best Local Similarity 100.0%; Pred. No. 1e-101;  
Matches 188; Conservative 0; Mismatches 0; Gaps 0;

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Db 1 MTASCAFPVQFROPVSGLSQTITKSLYISNGVAANKMLSSNQITMWINVSEVNTL 60
Qy 61 YEDIQVQVPVADSPNSRLCDFPDIADHISVEMKQGRITLHCAGVSSAALCLAYLM 120
Db 61 YEDIQVQVPVADSPNSRLCDFPDIADHISVEMKQGRITLHCAGVSSAALCLAYLM 120
Qy 121 KYHAMSLDADHTWTKSCRPIIRPNSGFWEQLIHFEFOLFGKNTVHMVSSPVGMIPDIYEK 180
Db 121 KYHAMSLDADHTWTKSCRPIIRPNSGFWEQLIHFEFOLFGKNTVHMVSSPVGMIPDIYEK 180
Qy 181 EVRLMIPL 188
Db 181 EVRLMIPL 188

RESULT 2
US-10-087-887-18
; Sequence 18, Application US/10087887
; Publication No. US20030198957A1
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Conley, Pamela B.
; APPLICANT: Yang, Ruy-Bing
; APPLICANT: Hart, Matthew
; APPLICANT: Tomlinson, James E.
; APPLICANT: Topper, James N.
; APPLICANT: Shinkets, Richard A.
; APPLICANT: Leach, Martin D.
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Komuves, Laszlo
; APPLICANT: Padigaru, Muralidhara
; TITLE OF INVENTION: PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-285
; CURRENT APPLICATION NUMBER: US/10/087,887
; PRIOR FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: 60/273,049
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/279,883
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/277,791
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/281,248
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: 60/282,864
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/282,537
; PRIOR FILING DATE: 2001-04-09
; PRIOR APPLICATION NUMBER: 60/282,867
; PRIOR FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 104
; SOFTWARE: Curoseqlist version 0.1
; SEQ ID NO 18
; LENGTH: 188
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-087-887-18

Query Match 100.0%; Score 981; DB 14; Length 188;
Best Local Similarity 100.0%; Pred. No. 1e-101;
Matches 188; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 121 KYHAMSLDADHTWTKSCRPIIRPNSGFWEQLIHFEFOLFGKNTVHMVSSPVGMIPDIYEK 180
Qy 181 EVRLMIPL 188
Db 181 EVRLMIPL 188

RESULT 3
US-10-094-749-2359
; Sequence 2359, Application US/10094749
; Publication No. US20030219741A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOUKI
; APPLICANT: NAGAIKARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
; FILE REFERENCE: 084335/0160
; CURRENT APPLICATION NUMBER: US/10/094,749
; PRIOR FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2359
; LENGTH: 188
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-094-749-2359

Query Match 100.0%; Score 981; DB 15; Length 188;
Best Local Similarity 100.0%; Pred. No. 1e-101;
Matches 188; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 MTASCAFPVQFROPVSGLSQTITKSLYISNGVAANKMLSSNQITMWINVSEVNTL 60
Db 1 MTASCAFPVQFROPVSGLSQTITKSLYISNGVAANKMLSSNQITMWINVSEVNTL 60
Qy 61 YEDIQVQVPVADSPNSRLCDFPDIADHISVEMKQGRITLHCAGVSSAALCLAYLM 120
Db 61 YEDIQVQVPVADSPNSRLCDFPDIADHISVEMKQGRITLHCAGVSSAALCLAYLM 120
Qy 121 KYHAMSLDADHTWTKSCRPIIRPNSGFWEQLIHFEFOLFGKNTVHMVSSPVGMIPDIYEK 180
Db 121 KYHAMSLDADHTWTKSCRPIIRPNSGFWEQLIHFEFOLFGKNTVHMVSSPVGMIPDIYEK 180
Qy 181 EVRLMIPL 188
Db 181 EVRLMIPL 188

RESULT 4
US-10-052-648A-78
; Sequence 78, Application US/10052648A
; Publication No. US20040005558A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, David
```

APPLICANT: Burgess, Catherine  
APPLICANT: Casman, Stacie  
APPLICANT: Colman, Stegen  
APPLICANT: Edinger, Shlomit R.  
APPLICANT: Ellerman, Karen  
APPLICANT: Gerlach, Valerie  
APPLICANT: Gunther, Erik  
APPLICANT: Kerkuta, Rameah  
APPLICANT: Macdougall, John R.  
APPLICANT: Mentahan, Fuad  
APPLICANT: Paturajan, Meera  
APPLICANT: Rothenberg, Mark  
APPLICANT: Shimkets, Richard  
APPLICANT: Smithson, Glenda  
APPLICANT: Spytek, Kimberly A.  
APPLICANT: Stone, David J.  
APPLICANT: Vernet, Corine A.M.  
APPLICANT: Zernusen, Bryan D.  
TITLE OF INVENTION: USING THE SAME  
FILE REFERENCE: 21402-250 (CURA-550)  
CURRENT FILING DATE: 2002-12-09  
PRIOR APPLICATION NUMBER: US/10/052,648A  
PRIOR FILING DATE: 2001-01-18  
PRIOR APPLICATION NUMBER: 60/262,454  
PRIOR FILING DATE: 2001-03-02  
PRIOR APPLICATION NUMBER: 60/284,549  
PRIOR FILING DATE: 2001-04-18  
PRIOR APPLICATION NUMBER: 60/303,229  
PRIOR FILING DATE: 2001-07-05  
PRIOR APPLICATION NUMBER: 60/262,892  
PRIOR FILING DATE: 2001-01-19  
PRIOR APPLICATION NUMBER: 60/263,605  
PRIOR FILING DATE: 2001-01-23  
PRIOR APPLICATION NUMBER: 60/269,098  
PRIOR FILING DATE: 2001-02-15  
PRIOR APPLICATION NUMBER: 60/264,159  
PRIOR FILING DATE: 2001-01-25  
PRIOR APPLICATION NUMBER: 60/265,517  
PRIOR FILING DATE: 2001-01-31  
PRIOR APPLICATION NUMBER: 60/271,855  
PRIOR FILING DATE: 2001-02-27  
Remaining Prior Application data removed - See file wrapper or PALM.  
NUMBER OF SEQ ID NOS: 97  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 78  
LENGTH: 188  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-052-648A-78

Query Match 100.0%; Score 981; DB 15; Length 188;  
Best Local Similarity 100.0%; Pred. No. 1e-101;  
Matches 188; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MTAPSCAFPVQFRQPSVSGISQITKSLYISNGVAANKMLSSNQITMWINVSEVNTL 60  
DB 1 MTAPSCAFPVQFRQPSVSGISQITKSLYISNGVAANKMLSSNQITMWINVSEVNTL 60  
QY 61 YEDIQMVQVADSPNSRLCDFPDIADHHSVEMKQRTLLHCAAGVSRSAALCLAYLM 120  
DB 61 YEDIQMVQVADSPNSRLCDFPDIADHHSVEMKQRTLLHCAAGVSRSAALCLAYLM 120  
QY 121 KYHAMSLDHAHTWTKSCRPPIRPSNGFWEOLIHFEFOLFGKNTVHMVSSPVGMIPDIYEK 180  
DB 121 KYHAMSLDHAHTWTKSCRPPIRPSNGFWEOLIHFEFOLFGKNTVHMVSSPVGMIPDIYEK 180  
QY 181 EVRLMIPL 188  
DB 181 EVRLMIPL 188

RESULT 5  
US-09-764-869-872  
Sequence 872, Application US/09764869  
Patent No. US20020061521A1  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
FILE REFERENCE: PC007  
CURRENT APPLICATION NUMBER: US/09/764,869  
CURRENT FILING DATE: 2001-01-17  
Prior application data removed - refer to PALM or file wrapper  
NUMBER OF SEQ ID NOS: 2442  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 872  
LENGTH: 192  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-764-869-872

Query Match 100.0%; Score 981; DB 9; Length 192;  
Best Local Similarity 100.0%; Pred. No. 1.1e-101;  
Matches 188; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MTAPSCAFPVQFRQPSVSGISQITKSLYISNGVAANKMLSSNQITMWINVSEVNTL 60  
DB 5 MTAPSCAFPVQFRQPSVSGISQITKSLYISNGVAANKMLSSNQITMWINVSEVNTL 64  
QY 61 YEDIQMVQVADSPNSRLCDFPDIADHHSVEMKQRTLLHCAAGVSRSAALCLAYLM 120  
DB 65 YEDIQMVQVADSPNSRLCDFPDIADHHSVEMKQRTLLHCAAGVSRSAALCLAYLM 124  
QY 121 KYHAMSLDHAHTWTKSCRPPIRPSNGFWEOLIHFEFOLFGKNTVHMVSSPVGMIPDIYEK 180  
DB 125 KYHAMSLDHAHTWTKSCRPPIRPSNGFWEOLIHFEFOLFGKNTVHMVSSPVGMIPDIYEK 184  
QY 181 EVRLMIPL 188  
DB 185 EVRLMIPL 192

RESULT 6  
US-10-091-504-872  
Sequence 872, Application US/10091504  
Publication No. US2003005908A1  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
FILE REFERENCE: PC007C1  
CURRENT APPLICATION NUMBER: US/10/091,504  
CURRENT FILING DATE: 2002-03-07  
NUMBER OF SEQ ID NOS: 2442  
Prior Application removed - See file wrapper or Palm  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 872  
LENGTH: 192  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-091-504-872

Query Match 100.0%; Score 981; DB 14; Length 192;  
Best Local Similarity 100.0%; Pred. No. 1.1e-101;  
Matches 188; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MTAPSCAFPVQFRQPSVSGISQITKSLYISNGVAANKMLSSNQITMWINVSEVNTL 60  
DB 5 MTAPSCAFPVQFRQPSVSGISQITKSLYISNGVAANKMLSSNQITMWINVSEVNTL 64  
QY 61 YEDIQMVQVADSPNSRLCDFPDIADHHSVEMKQRTLLHCAAGVSRSAALCLAYLM 120  
DB 65 YEDIQMVQVADSPNSRLCDFPDIADHHSVEMKQRTLLHCAAGVSRSAALCLAYLM 124  
QY 121 KYHAMSLDHAHTWTKSCRPPIRPSNGFWEOLIHFEFOLFGKNTVHMVSSPVGMIPDIYEK 180  
DB 121 KYHAMSLDHAHTWTKSCRPPIRPSNGFWEOLIHFEFOLFGKNTVHMVSSPVGMIPDIYEK 180

Db 125 KYAMSLDHAHTWTKSCRPIIRPNSGFWEQLIHYEFQLFGKNTVHMVSSPVGMIPDIYER 184  
QY 181 EVRLMIP 188  
Db 185 EVRLMIP 192

RESULT 7  
US-10-103-313-547  
; Sequence 547, Application US/10103313  
; Publication No. US20030082758A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: P1207C1  
; CURRENT APPLICATION NUMBER: US/10/103,313  
; NUMBER OF SEQ ID NOS: 653  
; Prior Application removed - See File Wrapper or Palm  
; SOFTWARE: Patentln Ver. 2.0  
; SEQ ID NO 547  
; LENGTH: 192  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-103-313-547

Query Match 100.0%; Score 981; DB 14; Length 192;  
Best Local Similarity 100.0%; Pred. No. 1,1e-101;  
Matches 188; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MTAPSCAFPVQFRQPSVSGISQITKSLIYISNGVAANKMLSSNQITMVTINVSVEVNTL 60  
Db 5 MTAPSCAFPVQFRQPSVSGISQITKSLIYISNGVAANKMLSSNQITMVTINVSVEVNTL 64

QY 61 YEDIQWQVPAVSNSRLCDFPDPIADHHSVEMKGRITLHCAGVSSAALCLAYLM 120  
Db 65 YEDIQWQVPAVSNSRLCDFPDPIADHHSVEMKGRITLHCAGVSSAALCLAYLM 124

QY 121 KYAMSLDHAHTWTKSCRPIIRPNSGFWEQLIHYEFQLFGKNTVHMVSSPVGMIPDIYER 180  
Db 125 KYAMSLDHAHTWTKSCRPIIRPNSGFWEQLIHYEFQLFGKNTVHMVSSPVGMIPDIYER 184

QY 181 EVRLMIP 188  
Db 185 EVRLMIP 192

RESULT 8  
US-10-227-577-872  
; Sequence 872, Application US/10227577  
; Publication No. US20040005575A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC007C2  
; CURRENT APPLICATION NUMBER: US/10/227,577  
; CURRENT FILING DATE: 2002-08-26  
; PRIOR APPLICATION NUMBER: 10/091,504  
; PRIOR FILING DATE: 2002-03-07  
; PRIOR APPLICATION NUMBER: 09/764,869  
; PRIOR FILING DATE: 2001-01-17  
; PRIOR APPLICATION NUMBER: 60/179,065  
; PRIOR FILING DATE: 2000-01-31  
; PRIOR APPLICATION NUMBER: 60/180,628  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: 60/214,886  
; PRIOR FILING DATE: 2000-06-28  
; PRIOR APPLICATION NUMBER: 60/217,487  
; PRIOR FILING DATE: 2000-07-11  
; PRIOR APPLICATION NUMBER: 60/225,758  
; PRIOR FILING DATE: 2000-08-14  
; PRIOR APPLICATION NUMBER: 60/220,963  
; PRIOR FILING DATE: 2000-07-26

; PRIOR APPLICATION NUMBER: 60/217,496  
; PRIOR FILING DATE: 2000-07-11  
; PRIOR APPLICATION NUMBER: 60/225,447  
; PRIOR FILING DATE: 2000-08-14  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 2442  
; SOFTWARE: Patentln Ver. 2.0  
; SEQ ID NO 872  
; LENGTH: 192  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-227-577-872

Query Match 100.0%; Score 981; DB 15; Length 192;  
Best Local Similarity 100.0%; Pred. No. 1,1e-101;  
Matches 188; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MTAPSCAFPVQFRQPSVSGISQITKSLIYISNGVAANKMLSSNQITMVTINVSVEVNTL 60  
Db 5 MTAPSCAFPVQFRQPSVSGISQITKSLIYISNGVAANKMLSSNQITMVTINVSVEVNTL 64

QY 61 YEDIQWQVPAVSNSRLCDFPDPIADHHSVEMKGRITLHCAGVSSAALCLAYLM 120  
Db 65 YEDIQWQVPAVSNSRLCDFPDPIADHHSVEMKGRITLHCAGVSSAALCLAYLM 124

QY 121 KYAMSLDHAHTWTKSCRPIIRPNSGFWEQLIHYEFQLFGKNTVHMVSSPVGMIPDIYER 180  
Db 125 KYAMSLDHAHTWTKSCRPIIRPNSGFWEQLIHYEFQLFGKNTVHMVSSPVGMIPDIYER 184

QY 181 EVRLMIP 188  
Db 185 EVRLMIP 192

RESULT 9  
US-10-052-648A-30  
; Sequence 30, Application US/10052648A  
; Publication No. US2004000558A1  
; GENERAL INFORMATION:  
; APPLICANT: Anderson, David  
; APPLICANT: Burgess, Catherine  
; APPLICANT: Casman, Stacie  
; APPLICANT: Coleman, Steven  
; APPLICANT: Edinger, Shlomit R.  
; APPLICANT: Ellerman, Karen  
; APPLICANT: Gerlach, Valerie  
; APPLICANT: Gunther, Erik  
; APPLICANT: Kekuda, Ramesh  
; APPLICANT: MacDougall, John R.  
; APPLICANT: Mehraban, Fuad  
; APPLICANT: Patturajan, Meera  
; APPLICANT: Rothenberg, Mark  
; APPLICANT: Shinkets, Richard  
; APPLICANT: Smltson, Glenda  
; APPLICANT: Spytek, Kimberly A.  
; APPLICANT: Stone, David J.  
; APPLICANT: Vernet, Corine A.M.  
; APPLICANT: Zethusen, Bryan D.  
; TITLE OF INVENTION: PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF  
; FILE REFERENCE: 21402-250 (CURA-550)  
; CURRENT APPLICATION NUMBER: US/10/052,648A  
; CURRENT FILING DATE: 2002-12-09  
; PRIOR APPLICATION NUMBER: 60/262,454  
; PRIOR FILING DATE: 2001-01-18  
; PRIOR APPLICATION NUMBER: 60/272,920  
; PRIOR FILING DATE: 2001-03-02  
; PRIOR APPLICATION NUMBER: 60/284,549  
; PRIOR FILING DATE: 2001-04-18  
; PRIOR APPLICATION NUMBER: 60/303,229  
; PRIOR FILING DATE: 2001-07-05  
; PRIOR APPLICATION NUMBER: 60/262,892  
; PRIOR FILING DATE: 2001-01-19

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;; PRIOR APPLICATION NUMBER: 60/263,605
;; PRIOR FILING DATE: 2001-01-23
;; PRIOR APPLICATION NUMBER: 60/269,098
;; PRIOR FILING DATE: 2001-02-15
;; PRIOR APPLICATION NUMBER: 60/264,159
;; PRIOR FILING DATE: 2001-01-25
;; PRIOR APPLICATION NUMBER: 60/265,517
;; PRIOR FILING DATE: 2001-01-31
;; PRIOR APPLICATION NUMBER: 60/271,855
;; PRIOR FILING DATE: 2001-02-27
;; Remaining Prior Application data removed - See file wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 97
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 30
;; LENGTH: 188
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-052-648A-30

Query Match          99.4%; Score 975; DB 15; Length 188;
Best Local Similarity 99.5%; Pred. No. 4.8e-101;
Matches 187; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MTAPSCAFVQFQPSVSGLSQITKSLYISNGVAANNKMLSSNOITWIVNSVEVNTL 60
DB 1 MTAPSCAFVQFQPSVSGLSQITKSLYISNGVAANNKMLSSNOITWIVNSVEVNTL 60
QY 61 YEDIQVQVPAVADSPNSRLCDFPDIADHISVEMKQRTLLHCAAGVRSAAALCLAYLM 120
DB 61 YEDIQVQVPAVADSPNSRLCDFPDIADHISVEMKQRTLLHCAAGVRSAAALCLAYLM 120
QY 121 KYHAMSLDADHTWTKSRPIIRPNSGFWEQLIHYEFQFGKNTVAMVSSPVGMIPDIYEK 180
DB 121 KYHAMSLDADHTWTKSRPIIRPNSGFWEQLIHYEFQFGKNTVAMVSSPVGMIPDIYEK 180
QY 181 EVRLMIPL 188
DB 181 EVRLMIPL 188

RESULT 10
US-09-864-761-42750
;; Sequence 42750, Application US/09864761
;; Patent No. US2002048763A1
;; GENERAL INFORMATION:
;; APPLICANT: Penn, Sharon G.
;; APPLICANT: Rank, David R.
;; APPLICANT: Hanzel, David K.
;; APPLICANT: Chen, Wensheng
;; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
;; FILE REFERENCE: Aecomica-X-1
;; CURRENT APPLICATION NUMBER: US/09/864,761
;; CURRENT FILING DATE: 2001-05-23
;; PRIOR APPLICATION NUMBER: US 60/180,312
;; PRIOR FILING DATE: 2000-02-04
;; PRIOR APPLICATION NUMBER: US 60/207,456
;; PRIOR FILING DATE: 2000-05-26
;; PRIOR APPLICATION NUMBER: US 09/632,366
;; PRIOR FILING DATE: 2000-08-03
;; PRIOR APPLICATION NUMBER: GB 24263,6
;; PRIOR FILING DATE: 2000-10-04
;; PRIOR APPLICATION NUMBER: US 60/236,359
;; PRIOR FILING DATE: 2000-09-27
;; PRIOR APPLICATION NUMBER: PCT/US01/00666
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00667
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00664
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00669
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00665
```

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;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00668
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00663
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00662
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00661
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: PCT/US01/00670
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: US 60/234,687
;; PRIOR FILING DATE: 2000-09-21
;; PRIOR APPLICATION NUMBER: US 09/608,408
;; PRIOR FILING DATE: 2000-06-30
;; PRIOR APPLICATION NUMBER: US 09/774,203
;; PRIOR FILING DATE: 2001-01-29
;; NUMBER OF SEQ ID NOS: 49117
;; SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
;; SEQ ID NO 42750
;; LENGTH: 177
;; TYPE: PRT
;; ORGANISM: Homo sapiens
;; FEATURE:
;; OTHER INFORMATION: MAP TO AL079299.8
;; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.1
;; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3
;; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.94
;; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.1
;; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.5
;; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.95
;; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1
;; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.2
;; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.3
;; OTHER INFORMATION: EST HUMAN HIT: BE22374.1, EVALUATE 7.00e-95
;; OTHER INFORMATION: SWISSPROT HIT: Q64623, EVALUATE 2.00e-21
US-09-864-761-42750

Query Match          93.9%; Score 921; DB 9; Length 177;
Best Local Similarity 100.0%; Pred. No. 5.2e-95;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 PROPSVSGLSQITKSLYISNGVAANNKMLSSNOITWIVNSVEVNTLYEDIQVQV 71
DB 1 PROPSVSGLSQITKSLYISNGVAANNKMLSSNOITWIVNSVEVNTLYEDIQVQV 60
QY 72 ADSPNSRLCDFPDIADHISVEMKQRTLLHCAAGVRSAAALCLAYLMKYHAMSLDAH 131
DB 61 ADSPNSRLCDFPDIADHISVEMKQRTLLHCAAGVRSAAALCLAYLMKYHAMSLDAH 120
QY 132 TWTKSRPIIRPNSGFWEQLIHYEFQFGKNTVAMVSSPVGMIPDIYEKVRMLMIPL 188
DB 121 TWTKSRPIIRPNSGFWEQLIHYEFQFGKNTVAMVSSPVGMIPDIYEKVRMLMIPL 177

RESULT 11
US-10-052-648A-79
;; Sequence 79, Application US/10052648A
;; Publication No. US2004000558A1
;; GENERAL INFORMATION:
;; APPLICANT: Anderson, David
;; APPLICANT: Burgess, Catherine
;; APPLICANT: Casman, Stacie
;; APPLICANT: Coleman, Steven
;; APPLICANT: Edinger, Shlomit R.
;; APPLICANT: Ellerman, Karen
;; APPLICANT: Gerlach, Valerie
;; APPLICANT: Gunther, Erik
;; APPLICANT: Kerkuda, Ramesh
;; APPLICANT: MacDougall, John R.
;; APPLICANT: Mehraban, Foad
;; APPLICANT: Patnirajan, Meera
;; APPLICANT: Rothenberg, Mark
```

```

; APPLICANT: Shimkets, Richard
; APPLICANT: Smithson, Glenda
; APPLICANT: Spylek, Kimberly A.
; APPLICANT: Stone, David J.
; APPLICANT: Verneet, Corine A.M.
; APPLICANT: Zernhusen, Bryan D.
; TITLE OF INVENTION: PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF
; FILE REFERENCE: 21402-250 (CURA-550)
; CURRENT APPLICATION NUMBER: US/10/052,648A
; CURRENT FILING DATE: 2002-12-09
; PRIOR APPLICATION NUMBER: 60/262,454
; PRIOR FILING DATE: 2001-01-18
; PRIOR APPLICATION NUMBER: 60/272,920
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/284,549
; PRIOR FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: 60/303,229
; PRIOR FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 60/262,892
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: 60/263,605
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/269,098
; PRIOR FILING DATE: 2001-02-15
; PRIOR APPLICATION NUMBER: 60/264,159
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/265,517
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/271,855
; PRIOR FILING DATE: 2001-02-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 79
; LENGTH: 188
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-052-648A-79

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Query Match      83.4%; Score 818, DB 15, Length 188;
Best Local Similarity 82.4%; Pred. No. 2,1e-83;
Matches 155; Conservative 15; Mismatches 18; Indels 0; Gaps 0;

QY 1 MTAASCAAPVQFQPSVSGQITKSLYISNGVANKMLSSQITMTVINVSVEVNTL 60
DB 1 MTSSWSAPVQIPQPSIRGSLQITKSLFISGVANNKLLSSQITVTVINVSVEVANTP 60
QY 61 YEDIQVQVPAVADSPNSRLCDFPDIADHHSVEMKQRTLLHCAAGVRSALCLAYLM 120
DB 61 YEDIQVQVPAVADSPNSRLCDFPDIADHHSVEMKQRTLLHCAAGVRSALCLAYLM 120
QY 121 KYHMSLIDAHWTWTKSCRPPIIRPNSGFEQLIHYEFQFGKNTVHMVSSPVGMIPDIYEK 180
DB 121 KYHMSLIDAHWTWTKSCRPPIIRPNSGFEQLIHYEFQFGKNTVHMVSSPVGMIPDIYEK 180
QY 181 EYRLMIP 188
DB 181 EYRLMIP 188

```

RESULT 12  
US-10-052-648A-80  
Sequence 80, Application US/10052648A  
Publication No. US20040005558A1  
GENERAL INFORMATION:  
APPLICANT: Anderson, David  
APPLICANT: Burgess, Catherine  
APPLICANT: Casman, Stacie  
APPLICANT: Colman, Steven  
APPLICANT: Edinger, Shlomit R.  
APPLICANT: Ellerman, Karen  
APPLICANT: Gerlach, Valerie

```

; APPLICANT: Gunther, Erik
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Macdougall, John R.
; APPLICANT: Mehraban, Fuad
; APPLICANT: Paturajan, Weera
; APPLICANT: Rothenberg, Mark
; APPLICANT: Shimkets, Richard
; APPLICANT: Smithson, Glenda
; APPLICANT: Spylek, Kimberly A.
; APPLICANT: Stone, David J.
; APPLICANT: Verneet, Corine A.M.
; APPLICANT: Zernhusen, Bryan D.
; TITLE OF INVENTION: PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF
; FILE REFERENCE: 21402-250 (CURA-550)
; CURRENT APPLICATION NUMBER: US/10/052,648A
; CURRENT FILING DATE: 2002-12-09
; PRIOR APPLICATION NUMBER: 60/262,454
; PRIOR FILING DATE: 2001-01-18
; PRIOR APPLICATION NUMBER: 60/272,920
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/284,549
; PRIOR FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: 60/303,229
; PRIOR FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 60/262,892
; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: 60/263,605
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/269,098
; PRIOR FILING DATE: 2001-02-15
; PRIOR APPLICATION NUMBER: 60/264,159
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: 60/265,517
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 60/271,855
; PRIOR FILING DATE: 2001-02-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 80
; LENGTH: 151
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-052-648A-80

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Query Match      79.5%; Score 780, DB 15, Length 151;
Best Local Similarity 100.0%; Pred. No. 2.9e-79;
Matches 148; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 41 LSSNQITMTVINVSVEVNTLYEDIQVQVPAVADSPNSRLCDFPDIADHHSVEMKQRT 100
DB 4 LSSNQITMTVINVSVEVNTLYEDIQVQVPAVADSPNSRLCDFPDIADHHSVEMKQRT 63
QY 101 LHHCAAGVRSALCLAYLMKYHMSLIDAHWTWTKSCRPPIIRPNSGFEQLIHYEFQFG 160
DB 64 LHHCAAGVRSALCLAYLMKYHMSLIDAHWTWTKSCRPPIIRPNSGFEQLIHYEFQFG 123
QY 161 KNTVHMVSSPVGMIPDIYEKEVRLMIP 188
DB 124 KNTVHMVSSPVGMIPDIYEKEVRLMIP 151

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RESULT 13  
US-10-087-887-94  
Sequence 94, Application US/10087887  
Publication No. US20030138957A1  
GENERAL INFORMATION:  
APPLICANT: Kekuda, Ramesh  
APPLICANT: Conley, Pamela B.  
APPLICANT: Yang, Ruey-Bing  
APPLICANT: Hart, Matthew  
APPLICANT: Tomlinson, James E.



```

; APPLICANT: Topper, James N.
; APPLICANT: Shinkets, Richard A.
; APPLICANT: Leach, Martin D.
; APPLICANT: Zehusen, Bryan D.
; APPLICANT: Komuves, Laszlo
; APPLICANT: Padigaru, Muralidhara
; TITLE OF INVENTION: PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-285
; CURRENT APPLICATION NUMBER: US/10/087,887
; CURRENT FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: 60/273,049
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/279,883
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/277,791
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/281,248
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: 60/282,864
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/282,537
; PRIOR FILING DATE: 2001-04-09
; PRIOR APPLICATION NUMBER: 60/282,867
; PRIOR FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 104
; SOFTWARE: Curoseqdist version 0.1
; SEQ ID NO 94
; LENGTH: 189
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-087-887-94
```

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Query Match      74.8%; Score 733.5; DB 14; Length 189;
Best Local Similarity 73.7%; Pred. No. 6,6e-74;
Matches 137; Conservative 21; Mismatches 27; Indels 1; Gaps 1;

Qy 1 MTAACAAPVQ-FRQPSVSGLSQITKSLYISNGVAANKMLSSNQITWVINSVEVNT 59
Db 1 MTAASCFPSQATQODNITGLSQTASLFSNSAVANDKLTLSNNHTTTIIVSAEAVNT 60
Qy 60 LVEDIQYQVQVADSPNSRLCDFPDIADHISVEMKQRTLLHCAAGVSRSAALCLAYL 119
Db 61 FFEIDQYQVQVADSPNSRLCDFPDIADHISVEMKQRTLLHCAAGVSRSAALCLAYL 120
Qy 120 MKYHMSLLDAHTWTKSCRPPIRPNNGFWEQLIHYEFQLFGRNTVHWVSSPVGMIPDIYE 179
Db 121 MKYHMTLLDAHTWTKSCRPPIRPNNGFWEQLIHYEFQLFGRNTVHWVSSPVGMIPDIYE 180
Qy 180 KEAYLM 185
Db 181 KEAYLM 186
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```

RESULT 14
US-10-087-887-100
; Sequence 100, Application US/10087887
; Publication No. US20030198957A1
; GENERAL INFORMATION:
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Conley, Pamela B.
; APPLICANT: Yang, Ruey-Bing
; APPLICANT: Hart, Matthew
; APPLICANT: Tomlinson, James E.
; APPLICANT: Topper, James N.
; APPLICANT: Shinkets, Richard A.
; APPLICANT: Leach, Martin D.
; APPLICANT: Zehusen, Bryan D.
; APPLICANT: Komuves, Laszlo
; APPLICANT: Padigaru, Muralidhara
; TITLE OF INVENTION: PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-285
; CURRENT APPLICATION NUMBER: US/10/087,887
; CURRENT FILING DATE: 2002-03-01
```

```

; PRIOR APPLICATION NUMBER: 60/273,049
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/279,883
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/277,791
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/281,248
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: 60/282,864
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/282,537
; PRIOR FILING DATE: 2001-04-09
; PRIOR APPLICATION NUMBER: 60/282,867
; PRIOR FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 104
; SOFTWARE: Curoseqdist version 0.1
; SEQ ID NO 100
; LENGTH: 139
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-087-887-100
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Query Match      74.1%; Score 727; DB 14; Length 139;
Best Local Similarity 100.0%; Pred. No. 2.3e-73;
Matches 139; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 GLSQITKSLYISNGVAANKMLSSNQITWVINSVEVNTLIEDIQYQVQVADSPNSR 78
Db 1 GLSQITKSLYISNGVAANKMLSSNQITWVINSVEVNTLYEDIQYQVQVADSPNSR 60
Qy 79 LCFEFDPIADHISVEMKQRTLLHCAAGVSRSAALCLAYLMKTHMSLLDAHTWTKSCR 138
Db 61 LCFEFDPIADHISVEMKQRTLLHCAAGVSRSAALCLAYLMKTHMSLLDAHTWTKSCR 120
Qy 139 PIIRPNNGFWEQLIHYEFQ 157
Db 121 PIIRPNNGFWEQLIHYEFQ 139
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RESULT 15
US-10-052-648A-81
; Sequence 81, Application US/10052648A
; Publication No. US20040005558A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, David
; APPLICANT: Burgess, Catherine
; APPLICANT: Caeman, Stacie
; APPLICANT: Colman, Steven
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: Ellerman, Karen
; APPLICANT: Gerlach, Valerie
; APPLICANT: Gunther, Erik
; APPLICANT: Kekuda, Ramesh
; APPLICANT: MacDougall, John R.
; APPLICANT: Mehraban, Fuad
; APPLICANT: Paturajan, Meera
; APPLICANT: Rothenberg, Mark
; APPLICANT: Shinkets, Richard
; APPLICANT: Smithson, Glenda
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Stone, David J.
; APPLICANT: Verne, Corine A.M.
; APPLICANT: Zehusen, Bryan D.
; TITLE OF INVENTION: PROTEIN, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF
; FILE REFERENCE: 21402-250 (CURA-550)
; CURRENT APPLICATION NUMBER: US/10/052,648A
; CURRENT FILING DATE: 2002-12-09
; PRIOR APPLICATION NUMBER: 60/262,454
; PRIOR FILING DATE: 2001-01-18
; PRIOR APPLICATION NUMBER: 60/272,920
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 60/284,549
```

```

PRIOR FILING DATE: 2001-04-18
PRIOR APPLICATION NUMBER: 60/3303,229
PRIOR FILING DATE: 2001-07-05
PRIOR APPLICATION NUMBER: 60/266,892
PRIOR FILING DATE: 2001-01-19
PRIOR APPLICATION NUMBER: 60/263,605
PRIOR FILING DATE: 2001-01-23
PRIOR APPLICATION NUMBER: 60/269,098
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PRIOR APPLICATION NUMBER: 60/266,517
PRIOR FILING DATE: 2001-01-31
PRIOR APPLICATION NUMBER: 60/271,855
PRIOR FILING DATE: 2001-02-27
Remaining Prior Application data removed - See File Wrapper or PALM
NUMBER OF SEQ ID NOS: 97
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 81
LENGTH: 187
TYPE: PRT
ORGANISM: Mus musculus
US-10-052-648A-81

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Query Match	71.7%	Score 703;	DB 15;	Length 187;
Best Local Similarity	73.5%	Pred. No. 1.7e-70;		
Matches 133;	Conservative 21;	Mismatches 25;	Indels 2;	Gaps 2

Qy	120	MTWPSCAFPVQ-PROGVSAGLSQITSELYISNGVANNKMLMSQIMVINVSEVYNT	59
Dd	1	MTTASCIFFPSQATQODNITGSLQITSLFISNSAIVANDKLTLSNNHTITTIINVAEYVNT	60
Qy	60	LYEDIQTMQVPVADSPNSRLCDFPDIADHISVEMKQRTLLHCAGVSRAALCIAYL	119
Dd	61	FFEDIQVQVPVSDAANSYLIDPFEDID-INGVEMRNGRTLLHCAQVSRAALCIAYL	119
Qy	120	MKTHAMSLDATHWTYSCTPIIRPNSGFMEQLIHYEFQLEKNTVHMVSSPEVMIPIIYE	179
Dd	120	MKYHNMTLLDAHATWTCTCRPIIRPNNGFMEQLIHYEFKLSRNTVHMVTSPIGLIPIIYE	179
Qy	180	K 180	
Dd	180	K 180	

Search completed: July 22, 2004, 13:52:50  
Job time : 46 secs